Entered 11/30/2011 fwd

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Marjorie Prochaska

Site Name: VA-5 Thompson WMA

Volunteer Hours | **monitoring:** 7 **travel time:** 2

Date of Visit: (ex.06/22/2003) 5/2/09

Site Number: (ex. VA-70) VA5

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 (opt.): X = **Y =** **Datum:** (ex. NAD27)

NAD27 decimal degrees referred

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

Stage of Plant Development: Estimate % in flower, fruit, or veg	in flower 100 %	in fruit/seed %	vegetation only %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 9 indiv. plants | 251-500 | 501-750 | 751-1000 | >1000

Area covered by the rare species: 10 x 15 = 150

Example: 6 ft. x 3 ft. or 18 sq. ft. 4 x 150 = 600 **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent____ Good✓ Fair____ Struggling____

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? **Yes** (**No**)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? **Yes** (**No**) (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: Plant Succession: Other:

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

do not publicize this species at this location

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to:

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Dave Pirog
Email or phone: dpirog@charter.net
Common name: Purple-stemmed cliffbrake
Scientific name: Pellaea atropurpurea
Found? ☑ Yes ☐ No ☐ Unsure

Visit date: 9/13, 19, 25/09
Site name: Vossburg Hills
Site number: 31

Why unsure if found?

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		For larger occurrences:	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.: 20
Small occurrences	Length:		Width:	

Rare Plant Info

Count unit: ☐ stem OR ☑ clump OR ☐ rosette
Plant count: 3 (4 fronds total)
Count time: minutes
OR Estimate: 251-500 501-1000 >1000
OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 26-50 51-100
% Flowering: 0 1-5 6-25 26-50 51-100
% Fruiting: 0 1-5 6-25 26-50 51-100
% Senescent: 0 1-5 6-25 26-50 51-100
Seedlings or Immature present? ☐ Yes ☑ No ☐ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

All fronds are 8" tall or less. A few leaves are brown; but otherwise, appears healthy. This may not be the original site noted in August 2005.

Excellent
(Average)
Poor
Unsure

Associated Site Condition (Circle one)

Water on site: Flooded Wet Moist (Dry)

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun (50-95% sun) 5-50% sun >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:

Trees (up to 3):	Shrubs (up to 3):	Understory (up to 5):
White ash	multiflora rose	other ferns
Yellow oak	Japanese barberry	
maple		

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

Japanese barberry (low)

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	(None) Trace Some Most	**Trail maintenance?**	☐ Yes ☑ No ☐ Unsure %	
Browsing:	(None) Trace Some Most	**ATV tracks?**	☐ Yes ☑ No ☐ Unsure %	
Insect damage or disease:	(None) Trace Some Most	**Social trails?**	☐ Yes ☑ No ☐ Unsure %	
Competition/ succession:	(None) Trace Some Most	**Campsite?**	☐ Yes ☑ No ☐ Unsure %	
Drought?	☐ Yes ☐ No ☑ Unsure %	**Plant collection?**	☐ Yes ☑ No ☐ Unsure %	
Erosion?	☐ Yes ☑ No ☐ Unsure %	**New development?**	☐ Yes ☑ No ☐ Unsure %	
Other (please describe) and disturbance specific comments:				

Comments, suggestions and/or management actions that may benefit the rare plants:

Possibly every SE-facing ledge was visited at this site. Previously recorded plants may have been overlooked; but it appears that plants have decreased in both size and quantity.

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent: 10.5 hrs monitoring 8.5 hrs Travel to Trailhead 1 hr Hiking 1.0 hrs

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

Steve Smith, 4 Douglas Rd., Westford, MA 01886, stevenhsmith@verizon.net

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Peggy L. Combs

Site Name: Humpback Mountain

Volunteer Hours, incl. travel time: 10 hrs

Date of Visit: (ex.06/22/2003) Jan 1 and May 30th / 2009

Site Number: (ex. VA-70) 38

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

Scientific Name: (if known) —

Common Name: Submesotrophic Scrub

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

NAD27 decimal degrees preferred

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

Stage of Plant Development: (circle or give %)	in flower %	in fruit/seed %	vegetation only %
	—		

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Individuals — 251-500 501-750 751-1000 >1000

Area covered by the rare species:

—

Sq.Ft. / Acres (Circle measurement used)

Vigor of Species: (Please explain below) Excellent____ Good____ Fair____ Struggling____

—

Based on leaf color, bloom size, plant size, leaf retention, etc.

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? Yes **(No)**

(Circle all that apply) Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? Yes **(No)** (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?

—

If these protective measures are approved by the Appalachian Trail Park Office and ATC, would you be able to undertake them yourself, or would you need assistance? —

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC VA Regional Office, P.O. Box 174, Blacksburg, VA 24063

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Charley Banks

Site Name: No. 39 Greenstone Overlook

Volunteer Hours | **monitoring:** | **travel time:**

Date of Visit: (ex.06/22/2003) 08/13/2009

Site Number: (ex. VA-70) 39

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

Scientific Name: (if known) Muhlenbergia glomerata **Common Name:** Marsh Muhly

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

NAD27 decimal degrees referred

Maybe Just a little Late

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

Stage of Plant Development: Estimate % in flower,fruit,or veg	in flower ~ 10%	in fruit/seed %	vegetation only ~90 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: ~200	251-500	501-750	751-1000	>1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. ~100 **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent ✓ Good___ Fair___ Struggling___

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? (Yes) **No**

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other: It's a "Nature" trail next to an overlook – Some litter

Did you notice any other threats or changes at the site? **Yes** (No) (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: Plant Succession: Other:

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

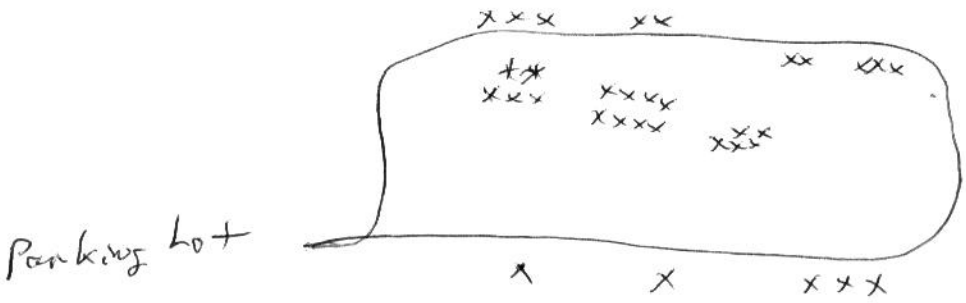
None

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

Other Comments / Notes / Maps / Drawings - Use Opposite Side sketch

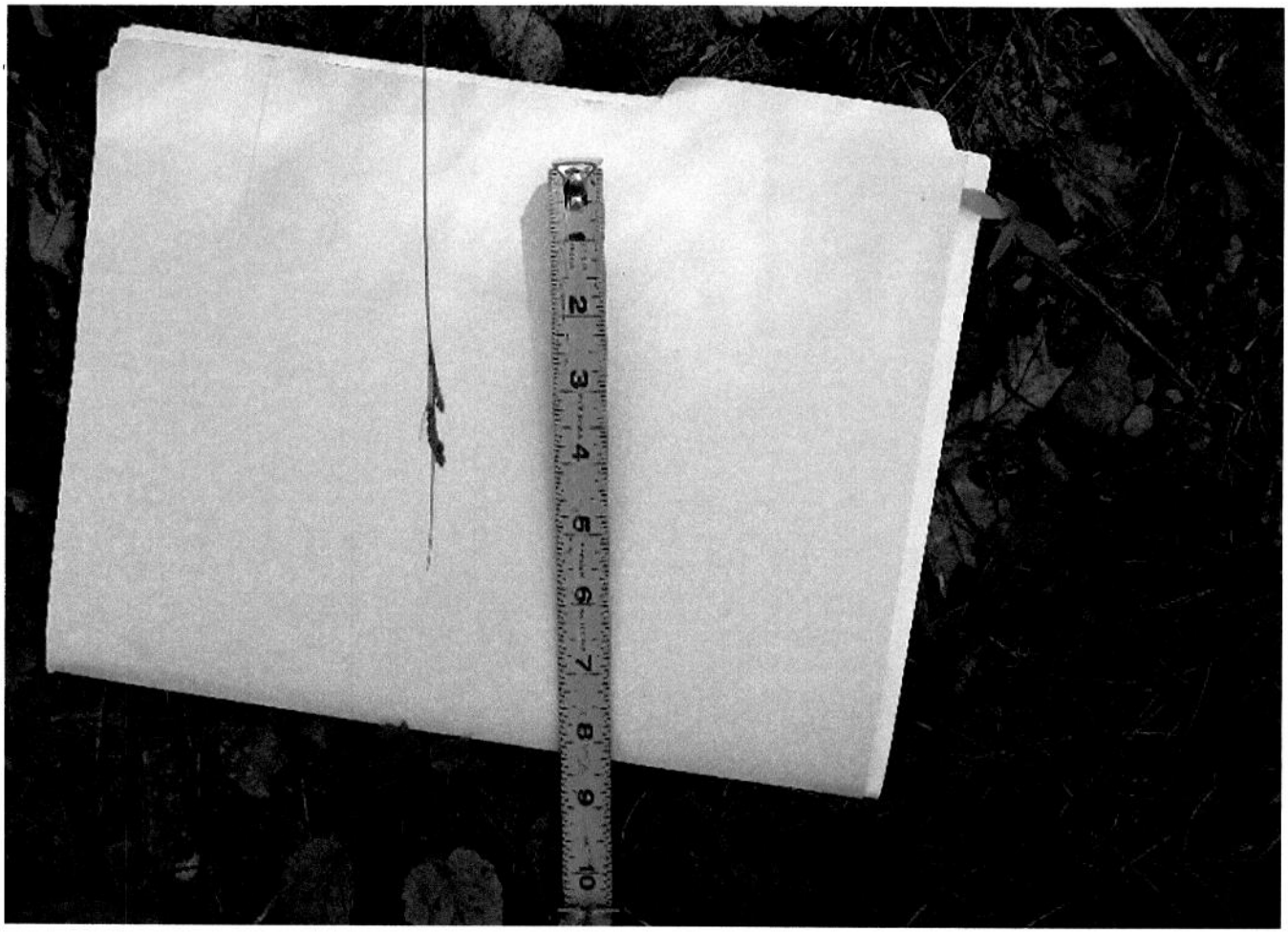
ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060


Parking Lot



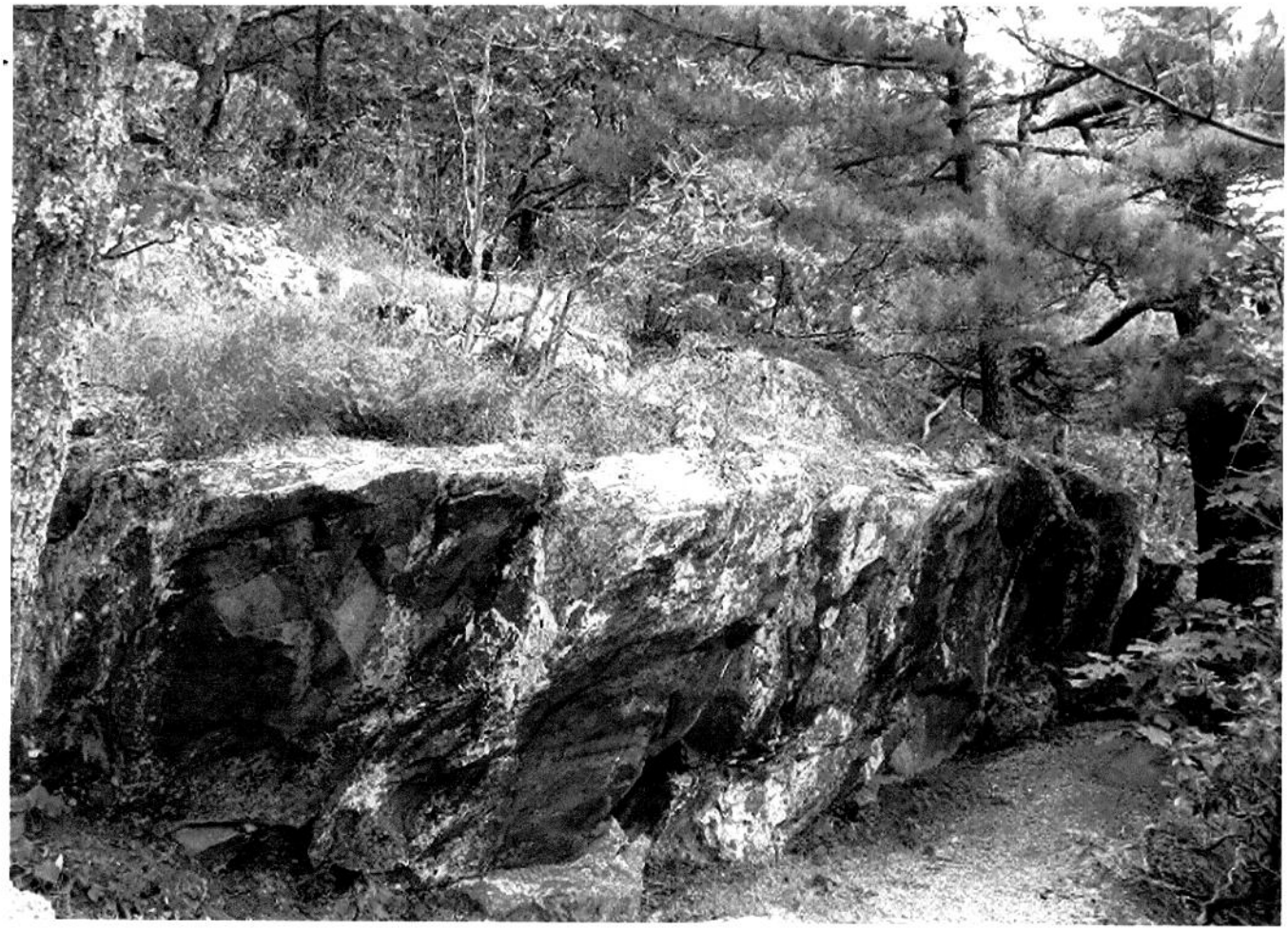














Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Plant Monitor	William S. Rogers 3728 Concord Drive Suffolk VA 23435-1913 (757) 484-6001	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	monitoring: 4 travel: 4	**Site VA 44 / Segment 451**
Date of Visit: morning	04 / 18 / 2009	

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

NA - No RT&E Plants this site

Do you see any evidence of human activity at the site? Yes No x

Trampling NA Camp Site x Trail Maintenance NA Collection NA ATV NA

Other: This is a large rock outcrop and very popular A.T. day hiker viewpoint North side of Three Ridges. It is only 2-miles from Maupin Field and 3.5-miles from the Blue Ridge Parkway. There is one small spot that has been used for a campsite for many years, though it looks as if it's not been used in a long time.

Did you take any photographs ? Site photographed earlier.

Whole day trip time and travel split between this and Site 45 /Segment 451

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Plant Monitor	William S. Rogers 3728 Concord Drive Suffolk VA 23435-1913 (757) 484-6001	Name of Site: **Submesotropic Scrub at Flat Rock Overlook on South side of Three Ridges, next to the Appalachian Trail, between Chimney Rock and Harpers Creek Shelter**
Volunteer Hours monitoring: 4 travel: 4		**Site VA 45 / Segment 451**
Date of Visit: afternoon	04 / 18 / 2009	

For each Rare Species found, please complete the following information:
NA - no RT&E Plants this site

Do you see any evidence of human activity at the site? Yes No x

Trampling NA Camp Site NA Trail Maintenance NA Collection NA ATV NA

Other: This is a rock outcrop hiking break viewpoint along the A.T. on the long climb up the South side of Three Ridges. More backpackers than day hikers visit this spot. Area looks untouched.

Did you take any photographs ? Done in prior years.

Whole day trip time and travel split between this and Site 44 /Segment 451

Not Entered 11/30/2011 KS

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Laura Neale

Site Name: Spy Rock

Volunteer Hours — **monitoring:** 6 1/2 **travel time:** 1 1/2 TOTAL

Date of Visit: (ex.06/22/2003) 09 / 11 / 2009

Site Number: (ex. VA-70) VA-47

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 (opt.): X = **Y =** **Datum:** (ex. NAD27)

NAD27 decimal degrees preferred — 37 49.592 — 79 07.253

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

Stage of Plant Development: (circle or give %)	in flower %	in fruit/seed %	vegetation only %
	1	84	15

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

# Individuals	251-500	501-750	751-1000	>1000

Area covered by the rare species: 174 **Sq.Ft.** / **Acres** (Circle measurement used)

Vigor of Species: (Please explain below) Excellent___ Good ✓ Fair___ Struggling___

Based on leaf color, bloom size, plant size, leaf retention, etc.

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? **Yes** **No**

(Circle all that apply) (Trampling) (Camp Site) Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Yes) **No** (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?

Leave No Trace Education and Signs

If these protective measures are approved by the Appalachian Trail Park Office and ATC, would you be able to undertake them yourself, or would you need assistance?

yes

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC VAPOffice P.O. Box 17[illegible]

Note:

Wet relatively cool summer resulted in lush growth of any plant able to take advantage of such conditions. It is clear that "pioneering" clumps of *M. groenlandica* are appearing in numerous crevices where any scant growing media exists.

Entered 11/30/2011. KWD

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Laura Neale

Site Name: Spy Rock

Volunteer Hours — **monitoring:** 6 1/2 **travel time:** 1 1/2 TOTAL

Date of Visit: (ex.06/22/2003) 09 / 11 / 2009

Site Number: (ex. VA-70) VA -47

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 (opt.): X = Y = **Datum:** (ex. NAD27)

NAD27 decimal degrees preferred: 37 49.554 79 07.308

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

Stage of Plant Development: (circle or give %)	in flower %	in fruit/seed %	vegetation only %
			100

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

# Individuals	251-500	501-750	751-1000	>1000

Area covered by the rare species: 1/3 sq ft **Sq.Ft. / Acres** (Circle measurement used)

Vigor of Species: (Please explain below) Excellent___ Good__/__ Fair___ Struggling___

plants, "mats", look healthy

Based on leaf color, bloom size, plant size, leaf retention, etc.

How does the size and vigor of the population compare with your last visit? (circle one) Improved (Stable) Declining First visit ~~DRAMATIC DECLINE~~ SINCE FIRST VISIT 1998

Do you see any evidence of human activity at the site? (Yes) No

(Circle all that apply) (Trampling) Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? Yes No (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?

If these protective measures are approved by the Appalachian Trail Park Office and ATC, would you be able to undertake them yourself, or would you need assistance?

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC VAPOffice P.O. Box 17[illegible]

Entered 11/30/2011 AWD

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Norman & Jinx Sykora

Site Name: Cold Mt.

Volunteer Hours — **monitoring:** 1.5 Hrs. **travel time:** 1.5 Hrs.

Date of Visit: (ex.06/22/2003) 06/28/2009

Site Number: (ex. VA-70) VA-49

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

Scientific Name: (if known) Cacallia muehlenbergii **Common Name:** Great Indian Plantain

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

NAD27 decimal degrees referred

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

Stage of Plant Development: in flower 0 % | in fruit/seed % 0 | vegetation only 100 %

Estimate % in flower,fruit,or veg

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 7 — 251-500 | 501-750 | 751-1000 | >1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. 4 **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent___ Good___ Fair ✓ Struggling_

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? (Yes) **No**

(Circle all that apply) Trampling Campsite (Trail Maintenance) Collection ATV

Other: Hikingying on A.T. Does not affect plants

Did you notice any other threats or changes at the site? **Yes** (No) (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: yes Plant Succession: Other:

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

No action; continue to monitor

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

The 7 plants observed were similar to the number observed last year, though far fewer than previous years. The past winter was very dry, but spring was a little wetter than normal. The plants had more vigor than last year; they were taller and had a darker green color. The herbaceous plants and grasses in the surrounding area showed a lack of vigor due to the extended dry period that this part of central VA has suffered in recent years.

Entered 11/30/2011

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Dick Frisbee

Site Name: Cow Camp Gap + Hog Camp Gap + Bald Knob

Volunteer Hours, incl. travel time: 12 Hours

Date of Visit: (ex.06/22/2003) 7/19/2009

Site Number: (ex. VA-70) VA-50

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

Scientific Name: (if known) Cacalia muehlenbergii **Common Name:** Great Indian Plantain

GPS Location of Rare Species (opt.): X = Y = **Datum:** (ex. NAD27)
NAD27 decimal degrees preferred Bald Knob (North end of Long Mt. on Appalachian Trail

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

Stage of Plant Development: (circle or give %) in flower % | in fruit/seed % | vegetation only 100 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate) 2 clumps of a few individuals close together

Individuals 2 clumps of basal leaves 251-500 501-750 751-1000 >1000

Area covered by the rare species:
Rectangluar area 3ft x 6ft (Bald Knob) **Sq.Ft. / Acres** (Circle measurement used)

Vigor of Species: (Please explain below) Excellent X Good___ Fair___ Struggling___

Based on leaf color, bloom size, plant size, leaf retention, etc.

How does the size and vigor of the population compare with your last visit? Same condition as 2006 and 2007 and 2008
(circle one) Improved (Stable) Declining First visit

Do you see any evidence of human activity at the site? Yes (No)

(Circle all that apply) Trampling Camp Site Trail Maintenance Collection ATV

Other: Note: The small area is 12ft East of Appalachian Trail. * Map on Back

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

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

Catbriar (Rotundifolia) and Cow Parsip. I removed some of Cow Parsnip.

Competition from other plants: Other:

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

None at this time. I will watch area each July.

If these protective measures are approved by the Appalachian Trail Park Office and ATC, would you be able to undertake them yourself, or would you need assistance?

yes

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

Other Comments / Notes / Maps / Drawings - Use (Opposite Side)

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC VA Regional Office, P.O. Box 174, Blacksburg, VA 24063

OVER →

Site: VA 50 July 19, 2009

Hog Camp Gap via Cow Camp Gap
to Bald Knob on Long Mountain

Cacalia muehlenbergii Great Indian Plantain



Hog Camp Gap

Great Indian Plantain rapidly declining in this area

Appalachian Trail

Summit Cold Mt (Cole)

Cowcamp Gap

after extensive searching NO Great Indian Plantain found in this entire area.

Shelter

Bald Knob

3x6 ft. Patch of Great Indian Plantain (never blooms; but very healthy)

525 ft from Flat Granite Rock across Appalachian Trail North of Summit

Long Mt.

Entered 11/30/2011 FWD

OLd form

AIL Rare, Threatened, and Endangered Plant Monitoring Form

isbee	**Site Name:** Mount Pleasant
ıe: 16 Hours	
1/3/2009 2009	**Site Number:** (ex. VA-70) VA-51

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

Scientific Name: (if known) Solidago simplex var. Randii **Common Name:** Rand's Goldenrod

GPS Location of Rare Species (opt.): X = 37°44'27.4"N Y = 079°10'18.2"W **Datum:** (ex. NAD27)
NAD27 decimal degrees preferred West Overlook 37°44'21.1"N 079°10'08.2"W ← East Overlook

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

Stage of Plant Development: (circle or give %)	in flower %	in fruit/seed %	vegetation only %
	452 plants	None	346 plants

How confident are you that you correctly identified the species? Cultivars may be present East Overlook

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate) See Chart on back

Individuals 452 Blooming 346 Non-Blooming 251-500 501-750 (751-1000) >1000

Area covered by the rare species: Both East and West Overlooks and areas adjacent to them
(Sq.Ft.) / **Acres** (Circle measurement used)

Vigor of Species: (Please explain below) Excellent___ Good___ Fair___ Struggling___
Excellent on West Overlook Some Struggling on East Overlook
Based on leaf color, bloom size, plant size, leaf retention, etc.

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? (Yes) **No**
(Circle all that apply) (Trampling) (Camp Site) Trail Maintenance Collection ATV
Other: East Overlook

Were there any other threats to the site? **Yes** (**No**) (Please List if known)
Insects: Invasive/Exotic Plants: Animal Browsing:
Competition from other plants: Other: Pollenating Honey & Bumble Bees only

In your opinion, what action, if any, is necessary to protect the sensitive species?
The East Overlook needs to be posted "NO CAMPFIRES !!!
(plants in fire area have been destroyed). 1st year situation is Severe!

If these protective measures are approved by the Appalachian Trail Park Office and ATC, would you be able to undertake them yourself, or would you need assistance?
I would be glad to remove burn logs, but have no way to daily patrol area.

Did you take any photographs? Yes (No) **If so, please include examples** 2007 and 2008 Photos will send later.

Other Comments / Notes / Maps / Drawings - Use (Opposite Side)

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC VA Regional Office, P.O. Box 174, Blacksburg, VA 24063

OVER →

Site VA-51 Mount Pleasant National Scenic Area
(USGS 7.5 quad - Forks of Buffalo, VA) (George Washington N.F., Pedlar Ranger District)

Sept. 2, 2009
Sept. 3, 2009 } sleep in woods over night.

Solidago simplex var. Randii Survey

Main outcrop at West Overlook

19 Blooming 100 Non-blooming

North side of trail leading to West Overlook

100 Blooming 85 Non-blooming

Main outcrop at East Overlook

220 Blooming 87 Non-blooming

Adjacent outcrop east of East Overlook

(view towards Little Mt. Pleasant)

113 Blooming* 74 Non-blooming

* Pollenated by numerous Honey Bees and small Bumble Bees.

Note Count stems of Blooming plants
Count basal leaves of Non-Blooming plants (separation is difficult)

Entered 11/30/2011 FNP

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Nancy Anthony

Site Name: North Creek

Volunteer Hours 6 **monitoring:** 3 **travel time:** 3 RT

Date of Visit: (ex.06/22/2003) 08/09/09

Site Number: (ex. VA-70) VA-56

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 (opt.): X = — **Y =** **Datum:** (ex. NAD27)

NAD27 decimal degrees referred

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

Stage of Plant Development: almost all of the plants counted had open flowers or buds

Estimate % in flower, fruit, or veg: One, two or on some three/plant

% in flower	% in fruit/seed	% vegetation only
		A few plants (4/10) seemed to be without flowers or buds.

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

Number of Individual Plants Found: 74 each individual stem was counted at each site

(If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals:	251-500	501-750	751-1000	>1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. Plants counted at 4 different locations scattered individual stems **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent ___ Very Good ✓ Fair ___ Struggling ___

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other: number of stems counted and fact that clumps of stems were found in eight new locations in or near last year's observation areas.

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 or threats at the site? (Circle all that apply) **Yes** **No** The site near Bryant Ridge shelter where this orchid was first observed again had no orchids.

Trampling Campsite Trail Maintenance Collection ATV

Other: The other observation areas are adjacent to the AT, in some instances almost in the treadway.

Did you notice any other threats or changes at the site? **Yes** **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known: The wild beans at Site B are slowly spreading. They now extend 35ft. north of the seep spring that marks the southern edge of this site.

Competition from other plants: Plant Succession: Other:

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

No action

Did you take any photographs? Yes (No) **If so, please include examples** I've sent photos in past. Same appearance each year.

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

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I would be happy to have someone from the Natural Heritage Monitoring project go out with me next year to mark these sites with GPS so I'm not the only one who knows where they are.

I would be glad to watch a professional count and catalog these delicate and hard to spot little stems. I do not leave the trail when monitoring for fear of stepping on stems that I haven't seen. I do use binoculars.

I also maintain this section of AT and was most interested to observe more seed pods on these plants than I've seen in the past. I observed these dried, open pods in late October.

entered 1/28/2010 FMD

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grascelli and Judith Foster

Site Name: White Top Mountain Road not far from SR 600

Volunteer Hours — Judith 3 2½ — **monitoring:** 3 **travel time:** 1½

Date of Visit: (ex.06/22/2003) 05/05/2009

Site Number: (ex. VA-70) VA-70

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

Scientific Name: (if known) Phacelia fimbriata **Common Name:** Fringed Phacelia

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

NAD27 decimal degrees referred No satellites

Was the timing of your visit *Too Early* **to identify and count the rare plant?** *Too Late*? (*Just Right*?) **circle**

Stage of Plant Development: Estimate % in flower,fruit,or veg	in flower including buds 50 %	in fruit/seed %	vegetation only 50 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals:	251-500	501-750	751-1000	(>1000)

Area covered by the rare species: 528' x 3' = 1584 sqft

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 1584 sqft

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: (leaf color), (bloom size), (plant size), (leaf retention), other:

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 or threats at the site? **Yes** (**No**)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (**Yes**) **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

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

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NOT entered as second visit in 2009 BWS

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grasselli and Judith Foster

Site Name: Elk Garden AT South at parking lot

Volunteer Hours — Judith 3 2½ — **monitoring:** 3 **travel time:** 1½

Date of Visit: (ex.06/22/2003) 05/05/2009

Site Number: (ex. VA-70) VA 76

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

Scientific Name: (if known) Phacelia fimbriata **Common Name:** Fringed Phacelia

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

NAD27 decimal degrees referred no Satellite

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

Stage of Plant Development: Estimate % in flower,fruit,or veg	in flower 50 % including buds	in fruit/seed %	vegetation only 50 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: (67ft x 3ft = 201 sqft → AT ← 69ft x 3ft = 207) 251-500 501-750 751-1000 >1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 408 sqft

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? Yes **No**

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? **Yes** **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

Rare Plant Information Sheet #10

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

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entered 11/28/2011 FMD

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Gressitt and Judith Foster

Site Name: White Top Mountain parking lot north on AT

Volunteer Hours — Judith 3 — **monitoring:** 3 **travel time:** 1

Date of Visit: (ex.06/22/2003) 05/13/2009

Site Number: (ex. VA-70) VA70

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 (opt.): X = N36.64053 Y = W081.58994 **Datum:** (ex. NAD27) NAD27

NAD27 decimal degrees referred GPS72

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

Stage of Plant Development: Estimate % in flower,fruit,or veg	in flower 25 % including buds	in fruit/seed %	vegetation only 75 %

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: about 10 plants — 251-500 | 501-750 | 751-1000 | >1000

Area covered by the rare species: about 5 sq ft

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 5 sq ft

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? Yes **No**

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? **Yes** **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

Rare Plant Sheet #9 **Other Comments / Notes / Maps / Drawings - Use Opposite Side**

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NOT entered 3rd visit 2009 KDS

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grasselli

Site Name: White Top Mountain Parking lot North on AT to first ravine upon Elk Garden

Volunteer Hours | **monitoring:** 3 **travel time:** 2

Date of Visit: (ex.06/22/2003) 05 / 13 / 2009

Site Number: (ex. VA-70) VA 70

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

Scientific Name: (if known) Phacelia fimbriata **Common Name:** Fringed Phacelia

GPS Location of Rare Species (opt.): X = N 36.64034 Y = W 081.58988 **Datum:** (ex. NAD27) NAD27

NAD27 decimal degrees referred GPS72 location of 1st cluster of phacelia

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

Stage of Plant Development: Estimate % in flower,fruit,or veg — in flower 80 % including buds; in fruit/seed %; vegetation only 20 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 251-500 | 501-750 | 751-1000 | (>1000)

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 2817 Sq ft

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? Yes (No)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (Yes) No (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

Rare Plant Information Sheet #10

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

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Entered 11/28/2011 KOD

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grasselli and Judith Fosta

Site Name: Above White Top Laurel near Virginia Creeper Trail Bridge #24

Volunteer Hours — Judith 2 1½ — **monitoring:** 2 **travel time:** ½

Date of Visit: (ex.06/22/2003) 05/19/2009

Site Number: (ex. VA-70) VA74

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

Scientific Name: (if known) Philadelphus hirsutus **Common Name:** Mock Orange

GPS Location of Rare Species (opt.): X = N36.63507 Y = W081.79304 **Datum:** (ex. NAD27) NAD27

NAD27 decimal degrees referred to N36.63995 W081.73403

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

Stage of Plant Development: (Estimate % in flower, fruit, or veg) in flower 27% | in fruit/seed % | vegetation only 73%

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

Number of Individual Plants Found: (If individuals, tell how counted – stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 151 clumps and 1 stem seedlings — 251-500 | 501-750 | 751-1000 | >1000

Area covered by the rare species: 345 feet on AT X 50' down to Creek = 17,250 sq ft; 345 x 30' uphill = 10,350 sq ft

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 27,600 sq feet

Vigor of Species: (Please explain below)

Excellent ✓ Good ____ Fair ____ Struggling ____

Please circle plant characteristics vigor is based on: (leaf color), (bloom size), (plant size), leaf retention, other:

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 or threats at the site? (Yes) **No**

(Circle all that apply) Trampling Campsite (Trail Maintenance) Collection ATV

Other: narrow path needs sidehill repair perhaps twice to tune

Did you notice any other threats or changes at the site? (Yes) **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known: kudzu, small amount

Competition from other plants: ✓ Plant Succession: Other:

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

Remove kudzu while minimal

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

Rare Plant Information sheet #1

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

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SEE NOTES ON BACK OF PHOTOS

Not entered 2nd visit in 2009 AWS

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grasselli and Judith Foster

Site Name: SR 601 to Buzzard Rock North on AT in just wet area

Volunteer Hours — Judith 1 2 **monitoring:** 1 **travel time:** 1

Date of Visit: (ex.06/22/2003) 05/25/2009

Site Number: (ex. VA-70) VA70

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 (opt.): X = **Y =** **Datum:** (ex. NAD27)

NAD27 decimal degrees referred No satellites

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

Stage of Plant Development: **Estimate % in flower,fruit,or veg** — in flower 50 % | in fruit/seed % | vegetation only 50 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 30 Plants — 251-500 | 501-750 | 751-1000 | >1000

Area covered by the rare species: 4' x 10' = 40 sq ft

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 40 sq ft

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: (leaf color) (bloom size) (plant size) (leaf retention) other:

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 or threats at the site? **Yes** (**No**)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (**Yes**) **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

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

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NOT entered 4th visit in 2009 form

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grassell and Judith Foster

Site Name: SR601 toward Buzzard Rock AT North

Volunteer Hours Judith 6 2 **monitoring:** 6 **travel time:** 1

Date of Visit: (ex.06/22/2003) 05 / 25 / 2009

Site Number: (ex. VA-70) VA70

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

Scientific Name: (if known) Phacelia fimbriata **Common Name:** Fringed Phacelia

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

NAD27 decimal degrees referred no satellites

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

Stage of Plant Development: Estimate % in flower,fruit,or veg	in flower 10 %	in fruit/seed % 90	vegetation only %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals:	251-500	501-750	751-1000	>1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 45,000 sq ft

Vigor of Species: (Please explain below)

Excellent ✓ Good ____ Fair ____ Struggling ____

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? **Yes** **No**

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? **Yes** **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

Rare Plant Information Sheet #4

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

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Not Eastern 5th visit in 2009 for us

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grassell and Judith Foster

Site Name: Road to White Top Mountain Plateau near Interpretive sign

Volunteer Hours — Judith 1 monitoring: 1 travel time: 2 — 3 2

Date of Visit: (ex.06/22/2003) 06 / 08 / 2009

Site Number: (ex. VA-70) VA 70

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 (opt.): X = **Y =** **Datum:** (ex. NAD27)

NAD27 decimal degrees referred no satellites

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

Stage of Plant Development: Estimate % in flower, fruit, or veg — 8 in flower 2.7 %; in fruit/seed 140 % 48.2; vegetation only 142 48.9 %

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

Number of Individual Plants Found: (If individuals, tell how counted – stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 251-500 | 501-750 | 751-1000 | (>1000)

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 10,800 sq ft

Vigor of Species: (Please explain below)

Excellent ✓ Good ____ Fair ____ Struggling ____

Please circle plant characteristics vigor is based on: (leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? Yes (No)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (Yes) No (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

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

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Entered 11/28/2011 bms

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grossalli and Judith Foster

Site Name: White Top Mountain from east of parking lot to rocks to the left of Summit and back on Old AT

Volunteer Hours — Judith 4 3 — **monitoring:** 4 **travel time:** 2

Date of Visit: (ex.06/22/2003) 06/08/2009

Site Number: (ex. VA-70) VA76

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

Scientific Name: (if known) S. bbaldiopsis tridentata **Common Name:** 3-toothed cinquefoil

GPS Location of Rare Species (opt.): X = N36.63226 Y = W081.60097 **Datum:** (ex. NAD27) NAD27

NAD27 decimal degrees referred — rocks to left of Summit N36 63401 / W081.61701 — highest point on Old AT N36 63598 / W081.60657

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

Stage of Plant Development: Estimate % in flower,fruit,or veg	in flower 50 % including buds	in fruit/seed %	vegetation only 50 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 251-500 501-750 751-1000 (>1000)

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) Acres and Area

Vigor of Species: (Please explain below)

Excellent ✓ Good ___ Fair ___ Struggling ___

Please circle plant characteristics vigor is based on: (leaf color) (bloom size) (plant size) (leaf retention) other:

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 or threats at the site? Yes (No)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (Yes) No (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

Rare Plant Information Sheet #6

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

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Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Entered 11/28/2011 FWD

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grossetti

Site Name: White Top Mountain South on AT

Volunteer Hours **monitoring:** 2 **travel time:** 2

Date of Visit: (ex.06/22/2003) 07/14/2009

Site Number: (ex. VA-70) VA70

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 (opt.): X = N36.65149 Y = W081.60245 **Datum:** (ex. NAD27) NAD27

NAD27 decimal degrees referred GPS72

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

Stage of Plant Development: Estimate % in flower,fruit,or veg		in fruit/seed %	vegetation only %
	30 in flower 100%		

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 30	251-500	501-750	751-1000	>1000

Area covered by the rare species: 30' x 40'

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 1200 sq ft

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: (leaf color), (bloom size), (plant size), (leaf retention), other:

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 or threats at the site? Yes (No)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (Yes) No (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Not Entered 2nd visit of occurrence #5

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grassell

Site Name: White Top Mountain South on AT in Woods

Volunteer Hours | **monitoring:** 2 **travel time:** 2

Date of Visit: (ex.06/22/2003) 06 / 24 / 2009

Site Number: (ex. VA-70) VA 70

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

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

GPS Location of Rare Species (opt.): X = N36.63258 Y = W081.60715 **Datum:** (ex. NAD27) NAD27

NAD27 decimal degrees referred GPS72 to N36.63455 / W081.61758

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

Stage of Plant Development: Estimate % in flower,fruit,or veg	7 in flower 100 %	in fruit/seed %	vegetation only %

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

Number of Individual Plants Found: (If individuals, tell how counted–stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 7	251-500	501-750	751-1000	>1000

Area covered by the rare species: scattered here and there in the woods

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: (leaf color) (bloom size) (plant size) (leaf retention), other:

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 or threats at the site? Yes (No)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (Yes) No (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Not Entered 2nd visit of occurrence two

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grossell

Site Name: White Top Mountain AT South to Below Buzzard Rock

Volunteer Hours | **monitoring:** 2 **travel time:** 2

Date of Visit: (ex.06/22/2003) 06/24/2009

Site Number: (ex. VA-70) VA 70

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

Scientific Name: (if known) Sibbaldiopsis tridentata **Common Name:** 3-Toothed cinquefoil

GPS Location of Rare Species (opt.): X = N36.635641 Y = W081.61552 **Datum:** (ex. NAD27) NAD27 GB72

NAD27 decimal degrees referred Rocks before big drop off N36.63476/W081.61768 N36.63454/W081.61740 Next group of rocks

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

Stage of Plant Development: Estimate % in flower,fruit,or veg	in flower 50 %	in fruit/seed %	vegetation only 50 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals:	251-500	501-750	751-1000	>1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) Acres + Acres

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? Yes **No**

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? **Yes** **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

Rare Plant Information Sheet #6

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Not Entered AMD

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grasselli

Site Name: White Top Mountain South on AT in Woods

Volunteer Hours | **monitoring:** 1 **travel time:** 2

Date of Visit: (ex.06/22/2003) 06/24/2009

Site Number: (ex. VA-70) VA 70

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

Scientific Name: (if known) Cuscuta rostrata **Common Name:** Beaked dodder vine

GPS Location of Rare Species (opt.): X = N36.63269 Y = W081.60789 **Datum:** (ex. NAD27) NAD27 GPS 72

NAD27 decimal degrees referred

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

Stage of Plant Development: Estimate % in flower,fruit,or veg	in flower %	in fruit/seed %	vegetation only 100 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: Not Counted	251-500	501-750	751-1000	>1000

Area covered by the rare species: 5' x 10'

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) 50 sqft

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other: Variegated

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 or threats at the site? Yes (No)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (Yes) No (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Not entered Feb 2 (2nd report for occurrence)

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grassell

Site Name: White Top Mountain By tree in parking lot.

Volunteer Hours **monitoring:** / **travel time:** 2

Date of Visit: (ex.06/22/2003) 06/24/2009

Site Number: (ex. VA-70) VA 76

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 (opt.): X = N36 63202 Y = W081.60136 **Datum:** (ex. NAD27) NAD27 GPS 72

NAD27 decimal degrees referred

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

Stage of Plant Development: Estimate % in flower,fruit,or veg					
	3	in flower 42.8 %	in fruit/seed %	vegetation only 4	57.1 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 7	251-500	501-750	751-1000	>1000

Area covered by the rare species: 2' X3'

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used) sq ft

Vigor of Species: (Please explain below)

Excellent ✓ Good ____ Fair ____ Struggling ____

Please circle plant characteristics vigor is based on: (leaf color), ~~bloom size~~, (plant size), (leaf retention), other: (bud size)

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 or threats at the site? **Yes** (**No**)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (**Yes**) **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Not Entered yet

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grasselli

Site Name: SR 859 to Lost Mountain Shelter

Volunteer Hours — **monitoring:** 4 **travel time:** 1½

Date of Visit: (ex.06/22/2003) 07/15/2009

Site Number: (ex. VA-70) VA 71

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 (opt.): X = **Y =** **Datum:** (ex. NAD27)

NAD27 decimal degrees referred no satellites

Was the timing of your visit (*Too Early*) **to identify and count the rare plant? *Too Late*? *Just Right?* circle**

Stage of Plant Development: Estimate % in flower, fruit, or veg	in flower %	in fruit/seed %	vegetation only %
			18

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 18	251-500	501-750	751-1000	>1000

Area covered by the rare species: not measured

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent ✓ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

How does the size and vigor of the population compare with your last visit? Too early for comparison

(circle one) Improved Stable Declining First visit

Do you see any evidence of human activity or threats at the site? **Yes** (**No**)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? **Yes** (**No**) (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: Plant Succession: Other:

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

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

Rare Plant Information Sheet #2

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Entered 11/28/2011 fmc

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grasselli

Site Name: White Top Mountain south on AT in woods

Volunteer Hours **monitoring:** 1 **travel time:** 2

Date of Visit: (ex.06/22/2003) 08/06/2009

Site Number: (ex. VA-70) VA70

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

Scientific Name: (if known) Cuscuta rostrata **Common Name:** Dodder vine

GPS Location of Rare Species (opt.): **X** = N 36.682269 **Y** = W081.607899 **Datum:** (ex. NAD27) NAD27
GPS 77
NAD27 decimal degrees referred

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

Stage of Plant Development: Estimate % in flower, fruit, or veg	(in flower) %	in fruit/seed %	vegetation only %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: Did not count	251-500	501-750	751-1000	>1000

Area covered by the rare species: Did not measure

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent ✓ Good ____ Fair ____ Struggling ____

Please circle plant characteristics vigor is based on: (leaf color) (bloom size) (plant size) (leaf retention) other:

How does the size and vigor of the population compare with your last visit?

(circle one) Improved Stable Declining (2nd visit to same site in 2009) First visit

Do you see any evidence of human activity or threats at the site? **Yes** (**No**)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (**Yes**) **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Entered 4/28/2011 pmd

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Gressell

Site Name: Elk Garden Parking lot and woods

Volunteer Hours | **monitoring:** 1 **travel time:** 2

Date of Visit: (ex.06/22/2003) 08/06/2009

Site Number: (ex. VA-70) VA 70

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

Scientific Name: (if known) Cacalia muehlenbergii **Common Name:** Great Indian Plantain

GPS Location of Rare Species (opt.): **X** = N36.64488 **Y** = W081.58438 **Datum:** (ex. NAD27) NAD27

GPS 72
NAD27 decimal degrees referred to N36.64646/W081.58337

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

Stage of Plant Development: Estimate % in flower, fruit, or veg		in fruit/seed %	vegetation only %
	4 in flower 9.3 %		39 90.7 %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 43	251-500	501-750	751-1000	>1000

Area covered by the rare species: did not measure

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent ✓ Good ____ Fair ____ Struggling ____

Please circle plant characteristics vigor is based on: (leaf color), (bloom size), (plant size), (leaf retention), other:

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 or threats at the site? Yes (No)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (Yes) No (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known: Colts Foot

Competition from other plants: ✓ Plant Succession: Other:

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

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

Rare Plant Information Sheet #11

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Entered 11/28/2011 tms

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Evaselli

Site Name: Spur Trail to AT Grayson Highlands State Park

Volunteer Hours **monitoring:** 1 **travel time:** 2

Date of Visit: (ex.06/22/2003) 08/09/2009

Site Number: (ex. VA-70) VA 69

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 (opt.): **X** = N36.64249 **Y** = W081.50114 **Datum:** (ex. NAD27) NAD27

GPS 72

NAD27 decimal degrees referred

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

Stage of Plant Development: Estimate % in flower,fruit,or veg	in flower %	in fruit/seed %	vegetation only %

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 1 Clump	251-500	501-750	751-1000	>1000

Area covered by the rare species: did not measure

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent ✓ Good ____ Fair ____ Struggling ____

Please circle plant characteristics vigor is based on: (leaf color) (bloom size) (plant size) (leaf retention) other:

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 or threats at the site? **Yes** (**No**)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (**Yes**) **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

Rare Plant Information Sheet #2.

Other Comments / Notes / Maps / Drawings - Use Opposite Side See dot at 90° Angle on map side of #21

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Entered 11/28/2011 [illegible]

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grassell

Site Name: SR 672 South on AT

Volunteer Hours — **monitoring:** 1 **travel time:** 2

Date of Visit: (ex.06/22/2003) 08/ 22 /2009

Site Number: (ex. VA-70) not known

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 (opt.): X = N 36.75647 Y = W081.49126 **Datum:** (ex. NAD27) NAD27

NAD27 decimal degrees preferred GPS72

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

Stage of Plant Development: (circle or give %)	2 in flower 100 %	in fruit/seed %	vegetation only %

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

# Individuals 2	251-500	501-750	751-1000	>1000

Area covered by the rare species: Not measured

Sq.Ft. / Acres (Circle measurement used)

Vigor of Species: (Please explain below) Excellent ✓ Good ___ Fair ___ Struggling ___

Based on (leaf color), (bloom size), (plant size), (leaf retention), etc.

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? **Yes** (**No**)

(Circle all that apply) Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? **Yes** (**No**) (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?

If these protective measures are approved by the Appalachian Trail Park Office and ATC, would you be able to undertake them yourself, or would you need assistance?

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC VAROffice, P.O. Box 174, Blacksburg, VA 24063-0174

New Occurrence Entered 11/29/2010 FWD

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grassell

Site Name: SR 672 South on AT

Volunteer Hours | **monitoring:** 1 **travel time:** 2

Date of Visit: (ex.06/22/2003) 08/22/2009

Site Number: (ex. VA-70) not known

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

Scientific Name: (if known) Cacalia muehlenbergii **Common Name:** Great Indian Plantain

GPS Location of Rare Species (opt.): X = N36.75647 Y = W081.49126 **Datum:** (ex. NAD27) NAD 27

NAD27 decimal degrees referred GPS 72

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

Stage of Plant Development: Estimate % in flower,fruit,or veg		in fruit/seed %	vegetation only %
1	in flower 100 %		

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 1	251-500	501-750	751-1000	>1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent____ Good ✓ Fair____ Struggling____

Please circle plant characteristics vigor is based on: (leaf color) bloom size, (plant size), (leaf retention), other:

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 or threats at the site? **Yes** (**No**)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? **Yes** (**No**) (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: Plant Succession: Other:

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

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

entered 11/28/2011 fms

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grosselli and Susan Erdely

Site Name: White Top Mountain By high switchback and dead evergreen tree

Volunteer Hours — Susan **monitoring:** 1 **travel time:** 2

Date of Visit: (ex.06/22/2003) 09 / 03 / 2009

Site Number: (ex. VA-70) VA 70

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 (opt.): X = N36.63615 Y = W081.60387 **Datum:** (ex. NAD27) NAD27

NAD27 decimal degrees referred GPS 72

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

Stage of Plant Development: Estimate % in flower,fruit,or veg		in fruit/seed %	vegetation only %
	/ in flower 100 %		

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 1	251-500	501-750	751-1000	>1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent____ Good__✓__ Fair____ Struggling____

Please circle plant characteristics vigor is based on: (leaf color, bloom size, plant size, leaf retention, other:

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 or threats at the site? Yes (No)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (Yes) No (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Blackberry plants

Competition from other plants: ✓ Plant Succession: Other:

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

Removal of black berry plants by dead evergreen tree would help

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

Rare Plant Information Sheet #1

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

not surveyed occurrence previously monitored here

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Crasselli and Susan Erdely

Site Name: White Top Mountain Old AT South of Washington/Smyth Counties marker

Volunteer Hours — **monitoring:** Susan 1 / 1 — **travel time:** 2 / 2

Date of Visit: (ex.06/22/2003) 09/03/2009

Site Number: (ex. VA-70) VA70

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

Scientific Name: (if known) Sibbaldiopsis tridentata — **Common Name:** 3-toothed cinquefoil

GPS Location of Rare Species (opt.): X = N36.65769 Y = W081.61163 where pictures were taken. **Datum:** (ex. NAD27) NAD27

NAD27 decimal degrees referred GPS77

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

Stage of Plant Development: Estimate % in flower, fruit, or veg — ✓ in flower ___ % — in ✓ fruit/seed ___ % — vegetation only ✓ ___ %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 251-500 | 501-750 | 751-1000 | (>1000)

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. — **Square Feet or Acres** (Circle measurement used) Acres + Acres

Vigor of Species: (Please explain below)

Excellent ✓ Good ___ Fair ___ Struggling ___

Please circle plant characteristics vigor is based on: (leaf color), (bloom size), (plant size), (leaf retention), other:

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 or threats at the site? Yes (No)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (Yes) No (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

Rare Plant Information Sheet #6

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Not referred - insufficient spatial info for new/known EOs

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Eleanor Grasselli

Site Name: Bear Tree Gap Trail at US 58

Volunteer Hours **monitoring:** 1 **travel time:** 1

Date of Visit: (ex.06/22/2003) 09/09/2009

Site Number: (ex. VA-70)

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 (opt.): X = **Y =** **Datum:** (ex. NAD27)

NAD27 decimal degrees referred no satellites

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

Stage of Plant Development: Estimate % in flower,fruit,or veg			in fruit/seed	vegetation only
	1	in flower 100 %	%	%

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: 1	251-500	501-750	751-1000	>1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft. **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent ✓ Good ____ Fair ____ Struggling ____

Please circle plant characteristics vigor is based on: (leaf color) (bloom size) plant size (leaf retention), other:

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 or threats at the site? **Yes** (**No**)

(Circle all that apply) Trampling Campsite Trail Maintenance Collection ATV

Other:

Did you notice any other threats or changes at the site? (**Yes**) **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: ✓ Plant Succession: Other:

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

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC Virginia Regional Office, P.O. Box 174, Blacksburg, VA 24060

Entered 11/17/2011 fw

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Carol Flint **Visit date:** July 19 2009

Email or phone: 703-370-9522 **Site name:** Sandy Hook

Common name: Rustling Wild Petunia **Site number:** MD 3

Scientific name: Ruellia strepens

Found? ☑ Yes ☐ No ☐ Unsure

Why unsure if found? _____

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

Ours was non-functional- use old reading

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):			For larger occurrences:		
GPS coordinates:	X	Y	**GPS N or top:**	X	Y
GPS accuracy:		ft or m	**GPS E:**	X	Y
Area covered by rare species			**GPS S or bottom:**	X	Y
N-S:		ft or m	**GPS W:**	X	Y
E-W:		ft or m			

Area covered by rare species:				
Large occurrences	✓ <1 acre	1-5 acres	>5 acres	Sq. Ft.: 18
Small occurrences	Length: 6		Width: 3 ft	

Rare Plant Info

Count unit: ☐ stem OR ☐ clump OR ☐ rosette

Plant count: 13 - in bud

Count time: 10 minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 26-50 (51-100)

% Flowering: (0) 1-5 6-25 26-50 51-100

% Fruiting: 0 1-5 (6-25) 26-50 51-100

% Senescent: 0 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☑ Yes ☐ No ☐ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

Plants looked very healthy, except tops of many had been eaten off!

Excellent
✓ Average ?
Poor
Unsure

Associated Site Condition (Circle one)

Water on site: Flooded Wet (Moist) Dry

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun 50-95 % sun (5-50% sun) >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:.

Trees (up to 3): Silver maple ← Box elder →

Shrubs (up to 3): Pawpaw, Spicebush

Understory (up to 5): herbaceous, Poison ivy, Yellow Coneflower, fringed, Joe-Pye-weed, trumpet creeper

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

Only native plants !!

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	None Trace Some Most	**Trail maintenance?**	☐ Yes ☑ No ☐ Unsure %
Browsing:	None Trace Some Most	**ATV tracks?**	☐ Yes ☑ No ☐ Unsure %
Insect damage or disease:	None Trace Some Most	**Social trails?**	☐ Yes ☑ No ☐ Unsure %
Competition/ succession:	None Trace Some Most	**Campsite?**	☐ Yes ☑ No ☐ Unsure %
Drought?	☐ Yes ☐ No ☐ Unsure %	**Plant collection?**	☐ Yes ☑ No ☐ Unsure %
Erosion?	☐ Yes ☐ No ☐ Unsure %	**New development?**	☐ Yes ☑ No ☐ Unsure %

Other (please describe) and disturbance specific comments: Most had top brown seed off, but otherwise looked vg health, growing in dense herbaceous growth; hard to tell if competition is or will be a problem.

Comments, suggestions and/or management actions that may benefit the rare plants:

On July 22 Carol we, hiking along the towpath and went to site again. The 1 bud from the 19th was in full flower, confirming ID. Several more buds were now well developed. It appeared that several immature seed-pods were set

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent: 3½ hrs. monitoring ½ hr Travel to Trailhead 2 hr Hiking 1hr

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

name and address to be listed here

Entered 11/17/2011 (FW)

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Cosmo Catalano **Visit date:** 7/17/09

Email or phone: **Site name:** Paull Brook

Common name: Broad Waterleaf **Site number:** MA-06

Scientific name: h. Canadensis

Found? X Yes ☐ No ☐ Unsure

Why unsure if found?

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		**For larger occurrences:**	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	<1 acre			Sq. Ft.:
Small occurrences	Length:		Width:	

Rare Plant Info

Count unit: ☐ stem OR ☐ clump OR ☐ rosette **% Vegetative:** 51-100

Plant count: **% Flowering:** 0

Count time: **% Fruiting:** 0

OR Estimate: 501-1000 **% Senescent:** 0

OR %Cover: **Seedlings or Immature present?** X Yes ☐ No ☐ Unsure

What is the condition of this rare plant occurrence? Average

Please note the characteristic(s) considered and what you observed: Plant continues to spread and new stems were observed. Some predation of leaves, apparently by slugs. Some competition by Virginia Waterleaf and Stinging Nettle.

Associated Site Condition (Circle one) **(Estimate amount of light reaching rare plants)**

Water on site: Moist **Sunlight:** 5-50% sun

st the most common species growing together with or immediately adjacent to the rare plants:.

Trees (up to 3): Shrubs (up to 3): Understory (up to 5):
Nettles, Virginia Waterleaf

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

Approx 25 individual stems of Garlic Mustard observed for the first time. I uprooted all observed stems. Area reported to be damaged by North Adams Water Dept construction work is still mostly barren, but a few Canadensis stems are beginning to sprout in the disturbed area and fill in from margins.

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	Trace (see above)	**Trail maintenance?**	☐ Yes **X** No ☐ Unsure %___
Browsing:	None	**ATV tracks?**	☐ Yes **X** No ☐ Unsure %___
Insect damage or disease:	Some	**Social trails?**	☐ Yes **X**No ☐ Unsure %___
Competition/ succession:	Some, with no apparent damage	**Campsite?**	☐ Yes **X**No ☐ Unsure %___
Drought?	☐ Yes **X** No ☐ Unsure %___	**Plant collection?**	☐ Yes **X** No ☐ Unsure %___
Erosion?	☐ Yes **X** No ☐ Unsure %___	**New development?**	☐ Yes **X**No ☐ Unsure %___
Other (please describe) and disturbance specific comments:			

Comments, suggestions and/or management actions that may benefit the rare plants:

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent: _____ monitoring _____ Travel to Trailhead Hiking

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:
Cosmo Catalano, 21 White Oaks Rd, Williamstown MA

entered 11/17/2011 [illegible]

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Cosmo Catalano **Visit date:** 9/ 12 /09

Email or phone: Catalano.cosmo@gmail.com **Site name:** Lower Sherman Brook

Common name: Large-bracted Tick-trefoil **Site number:** Site #3

Scientific name: Desmodium cuspidatum

Found? ☐ Yes ☐ No x☐ Unsure

Why unsure if found? Plant was seasonally dried out and foliage was being dropped. See Photo

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		**For larger occurrences:**	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length:		Width:	

Rare Plant Info

Count unit: x☐ stem OR ☐ clump OR ☐ rosette

Plant count: 5

Count time: minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 x 26-50 51-100

% Flowering: 0 1-5 6-25 26-50 51-100

% Fruiting: 0 1-5 6-25 26-50 51-100

% Senescent: 0 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☐ Yes ☐ No x☐ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

Plant was well past seasonal prime. Identification by remnant of seed pod and stainless steel marker disk

Excellent
Average
Poor
Unsure

Associated Site Condition (Circle one)

Water on site: Flooded Wet Moist Dry

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun 50-95 % sun 5-50% sun >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:.

Trees (up to 3): White ash seedlings

Shrubs (up to 3):

Understory (up to 5): Canada Goldenrod

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	None Trace Some Most	**Trail maintenance?**	☐ Yes x☐ No ☐ Unsure %___
Browsing:	None Trace Some Most	**ATV tracks?**	☐ Yes x☐ No ☐ Unsure %___
Insect damage or disease:	None Trace Some Most	**Social trails?**	☐ Yes x☐ No ☐ Unsure %___
Competition/ succession:	None Trace Some Most	**Campsite?**	☐ Yes x☐ No ☐ Unsure %___
Drought?	☐ Yes x☐ No ☐ Unsure %___	**Plant collection?**	☐ Yes x☐ No ☐ Unsure %___
Erosion?	☐ Yes x☐ No ☐ Unsure %___	**New development?**	☐ Yes x☐ No ☐ Unsure %___

Other (please describe) and disturbance specific comments: Site was demarked by flagging, and when compared to surrounding landscape, had clearly not received herbicide treatment.

Comments, suggestions and/or management actions that may benefit the rare plants:

Should un-herbicide treated plants be manually cut back to reduce competition? If so, what time of year?

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:	091209 Tick Treefoil?2.jpg						
Time spent:	2hrs	monitoring	**.5**	Travel to Trailhead	.5	Hiking	1.5

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

name and address to be listed here

Entered 11/17/2011 fmd

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Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Diane Crowell **Visit date:** 8/09/09

Email or phone: diane171@verizon.net **Site name:** Hop Brook, Main S.

Common name: tuckerman sedge **Site number:** Ma #22

Scientific name: Carex tuckermanii

Found? ☑ Yes ☐ No ☐ Unsure

Why unsure if found? _____

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		For larger occurrences:	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length: 414'		Width: 30'	

Rare Plant Info

Count unit: ☐ stem OR ☑ clump OR ☐ rosette

Plant count: 12 clumps, 4 clumps

Count time: 50 minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 26-50 51-100

% Flowering: 0 1-5 6-25 26-50 51-100

% Fruiting: 0 1-5 6-25 26-50 51-100

% Senescent: 0 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☐ Yes ☐ No ☑ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

The clumps were healthy, good size
Approx 80 flowers per big clump

Excellent
(Average)
Poor
Unsure

Associated Site Condition (Circle one)

Water on site: Flooded (Wet) Moist Dry

(Estimate amount of light reaching rare plants)

Sunlight: (>95% sun) 50-95 % sun 5-50% sun >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:
Trees (up to 3): Shrubs (up to 3): Understory (up to 5):

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.
w/ Longer me not - infestation - low

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	None Trace Some Most	**Trail maintenance?**	☑ Yes ☐ No ☐ Unsure %___
Browsing:	None Trace Some Most	**ATV tracks?**	☐ Yes ☑ No ☐ Unsure %___
Insect damage or disease:	None Trace Some Most	**Social trails?**	☐ Yes ☑ No ☐ Unsure %___
Competition/ succession:	None Trace Some Most	**Campsite?**	☐ Yes ☑ No ☐ Unsure %___
Drought?	☐ Yes ☑ No ☐ Unsure %___	**Plant collection?**	☐ Yes ☑ No ☐ Unsure %___
Erosion?	☐ Yes ☑ No ☐ Unsure %___	**New development?**	☐ Yes ☑ No ☐ Unsure %___
Other (please describe) and disturbance specific comments:			

Comments, suggestions and/or management actions that may benefit the rare plants:

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent: 1 hr monitoring 1 hr Travel to Trailhead 10 min Hiking

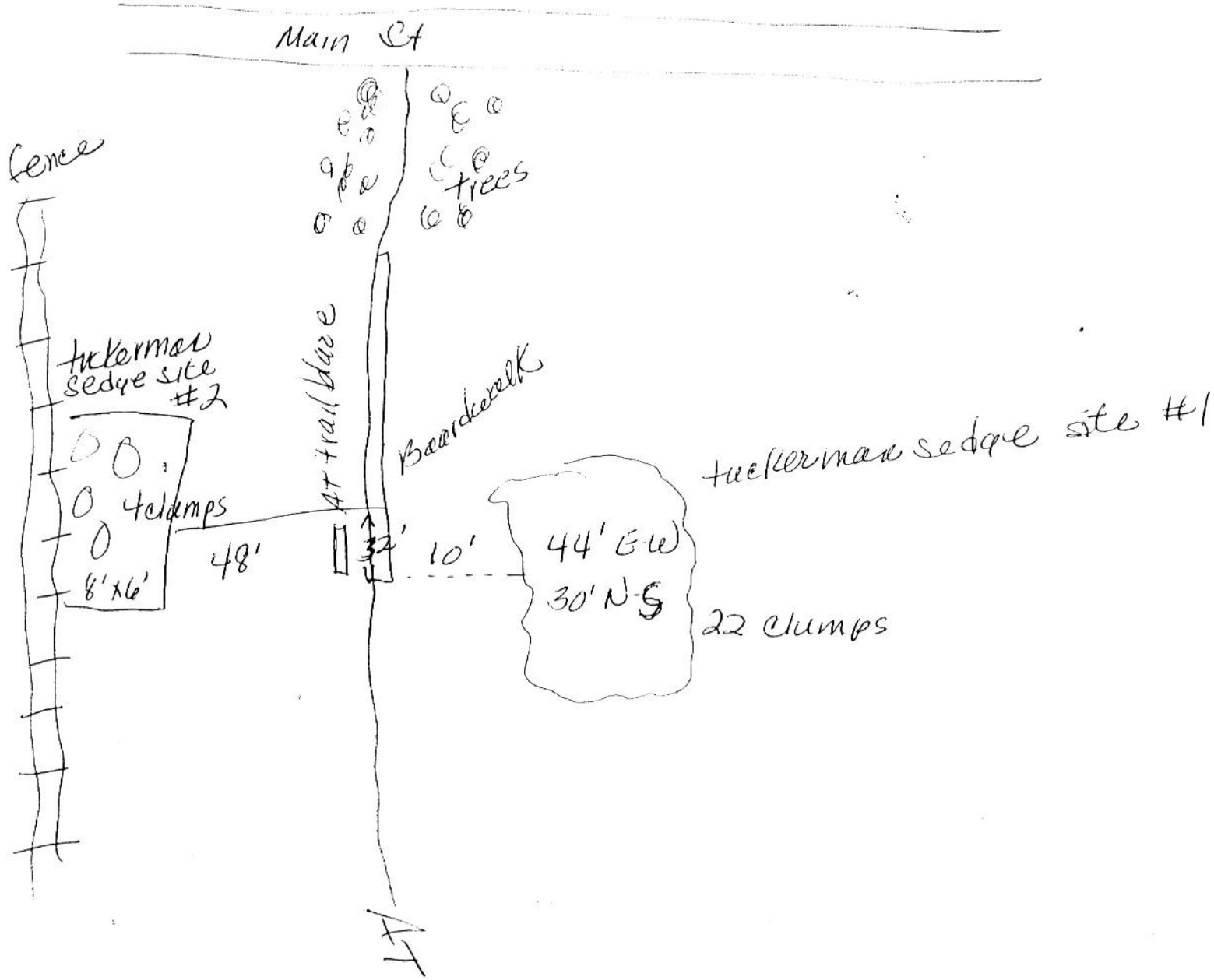
Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:
Steve Smith, 4 Douglas Rd., Westford, MA 01886, stevenhsmith@verizon.net

APPALACHIAN TRAIL
CONSERVANCY
Join the Journey™

799 Washington Street
P.O. Box 807
Harpers Ferry, West Virginia 25425-0807

I do not seem to have a map of my site: so I will sketch



Entered 11/17/2009 for Hop Brook at Main Rd.

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Diane Crowell **Visit date:** 06/09/09

Email or phone: diane1711@verizon.net **Site name:** hopbrook, Main St

Common name: hooked sedge **Site number:** Ma #22

Scientific name: Carex retrorsa

Found? ☐ Yes ☒ No ☐ Unsure

Why unsure if found? _____

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		For larger occurrences:	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length: 21		Width: 6'	

Rare Plant Info

Count unit: ☐ stem OR ☐ clump OR ☐ rosette

Plant count: N/A

Count time: minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 26-50 51-100

% Flowering: 0 1-5 6-25 26-50 51-100

% Fruiting: 0 1-5 6-25 26-50 51-100

% Senescent: 0 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☐ Yes ☐ No ☐ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

Excellent
Average
Poor
Unsure

Associated Site Condition (Circle one)

Water on site: Flooded (Wet) Moist Dry

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun (50-95 % sun) 5-50% sun >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:.
Trees (up to 3): Shrubs (up to 3): Understory (up to 5):

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	None Trace Some Most	**Trail maintenance?**	☐ Yes ☐ No ☐ Unsure %___
Browsing:	None Trace Some Most	**ATV tracks?**	☐ Yes ☐ No ☐ Unsure %___
Insect damage or disease:	None Trace Some Most	**Social trails?**	☐ Yes ☐ No ☐ Unsure %___
Competition/ succession:	None Trace Some Most	**Campsite?**	☐ Yes ☐ No ☐ Unsure %___
Drought?	☐ Yes ☐ No ☐ Unsure %___	**Plant collection?**	☐ Yes ☐ No ☐ Unsure %___
Erosion?	☐ Yes ☐ No ☐ Unsure %___	**New development?**	☐ Yes ☐ No ☐ Unsure %___
Other (please describe) and disturbance specific comments:			

Comments, suggestions and/or management actions that may benefit the rare plants:

Marked area, - none found

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent: _____ monitoring _____ Travel to Trailhead Hiking

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

Steve Smith, 4 Douglas Rd., Westford, MA 01886, stevenhsmith@verizon.net

entered 11/17/2011 fcd

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Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during trainjng. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: JoEllen Niedeck **Visit date:** 9/ 20 /2009

Email or phone: jeniedeck@yahoo.com **Site name:** Shaker Campsite

Common name: Bog goldenrod **Site number:** 25

Scientific name:

Found? ☒ Yes ☐ No ☐ Unsure

Why unsure if found? Solidago uliginosa

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		**For larger occurrences:**	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
		GPS S or bottom:	X Y
Approx. location	Found 240' east of Shaker campsite, approx. 60' N/E of trail, 20' before wetland	**GPS W:**	X Y

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length: 10 '		Width: 12'	

Rare Plant Info

Count unit: ☒ stem OR ☐ clump OR ☐ rosette

Plant count: 49

Count time: 20 minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 26-50 **51-100**

% Flowering: 0 **1-5** 6-25 26-50 51-100

% Fruiting: 0 **1-5** 6-25 26-50 51-100

% Senescent: **0** 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☐ Yes ☐ No ☒ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

General appearance of stalk and leaves, a few leaves had black spot (photo attached)

Excellent

Average

Poor

Unsure

Associated Site Condition (Circle one)

Water on site: Flooded Wet ***Moist*** Dry

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun 50-95 % sun ***5-50% sun*** >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:.

Trees (up to 3):	Shrubs (up to 3):	Understory (up to 5):
Elm	Barberry	ferns
Maple		jewelweed
Pine		false Solomon's seal
		Small white asters

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

Japanese Barberry – medium, Euonymus – medium, Possible coltsfoot (photo attached)

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	None Trace Some Most	**Trail maintenance?**	☐ Yes ☒ No ☐ Unsure %___
Browsing:	None Trace Some Most	**ATV tracks?**	☐ Yes ☒ No ☐ Unsure %___
Insect damage or disease:	None Trace Some Most	**Social trails?**	☐ Yes ☒ No ☐ Unsure %___
Competition/ succession:	None Trace Some Most	**Campsite?**	☐ Yes ☒ No ☐ Unsure %___
Drought?	☐ Yes ☒ No ☐ Unsure %___	**Plant collection?**	☐ Yes ☒ No ☐ Unsure %___
Erosion?	☐ Yes ☐ No ☒ Unsure %___	**New development?**	☐ Yes ☒ No ☐ Unsure %___
Other (please describe) and disturbance specific comments:			

Comments, suggestions and/or management actions that may benefit the rare plants:

I saw no sign of these immediately adjacent to the trail – I do not think they are impacted by trail use. The invasive were close, but none were within 10' of the goldenrod.

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:	Vegetative	flower		Possible coltsfoot	leaf spot		invasive
Time spent:	.5 hr.	monitoring	1.5 hr.	Travel to Trailhead	1 hr.	Hiking	

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

name and address to be listed here

entered 11/18/2011 fwd

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name:	JoEllen Niedeck	**Visit date:**	7/27 /09
Email or phone:	jeniedeck@yahoo.com	**Site name:**	Shaker Campsite
Common name:	Clustered Snakeroot	**Site number:**	25
Scientific name:	Sanicula gregaria		

Found? ☒ Yes ☐ No ☐ Unsure

Why unsure if found?

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):			**For larger occurrences:**		
GPS coordinates:	X	Y	**GPS N or top:**	X	Y
GPS accuracy:		ft or m	**GPS E:**	X	Y
Area covered by rare species			**GPS S or bottom:**	X	Y
N-S:		ft or m	**GPS W:**	X	Y
E-W:		ft or m			

Area covered by rare species:				
Large occurrences	***<1 acre***	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length: approx. 65'		Width: approx. 5' on either side of trail	

Rare Plant Info

Count unit:	☒ stem OR ☐ clump OR ☐ rosette	**% Vegetative:**	0 1-5 6-25 26-50 ***51-100***
Plant count:	56	**% Flowering:**	0 1-5 6-25 26-50 ***51-100***
Count time:	15 minutes minutes	**% Fruiting:**	***0*** 1-5 6-25 26-50 51-100
OR Estimate:	251-500 501-1000 >1000	**% Senescent:**	***0*** 1-5 6-25 26-50 51-100
OR %Cover:	0 1-5 6-25 26-50 51-100	**Seedlings or Immature present?**	☐ Yes ☐ No ☒ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed: ***Average*** – Most appeared healthy, a few torn leaves and some appeared bent – probably trod on by hikers.

Associated Site Condition (Circle one)

Water on site: Flooded Wet ***Moist*** Dry

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun 50-95 % sun ***5-50% sun*** >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:.

Trees (up to 3):	Shrubs (up to 3):	Understory (up to 5):
Several species of Maple	Winged Euonymus (Burning Bush)	Jewelweed, grass, wild geranium

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

- Small clumps (approx 2' X 2'0) of Coltsfoot by Hop Brook crossing and some by first boardwalk when coming from Fernside Road to Shaker Campsite.
- Burning bush mixed in with Snake root and continuing on the trail beyond the turn off to the campsite up to Hops Brook
- Japenese Barberry – several small clumps appear shortly before turn off to Shaker Campsite, there are many more, more frequent and larger clumps between the campsite turn off and Hop Brook.

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	None Trace ***Some*** Most	**Trail maintenance?**	☐ Yes ☒ No ☐ Unsure %___
Browsing:	***None*** Trace Some Most	**ATV tracks?**	☐ Yes ☒ No ☐ Unsure %___
Insect damage or disease:	***None*** Trace Some Most	**Social trails?**	☐ Yes ☒ No ☐ Unsure %___
Competition/ succession:	None Trace ***Some*** Most	**Campsite?**	☐ Yes ☒ No ☐ Unsure %___
Drought?	☐ Yes ☒ No ☐ Unsure %___	**Plant collection?**	☐ Yes ☒ No ☐ Unsure %___
Erosion?	☐ Yes ☐ No ☐ Unsure %___	**New development?**	☐ Yes ☒ No ☐ Unsure %___
Other (please describe) and disturbance specific comments:			

Comments, suggestions and/or management actions that may benefit the rare plants:

The population is in a narrow strip right by the trail, it is possible that if the Burning Bush continues to multiply in that area it may affect the space available for the Snake Root.

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent:	_____	monitoring	**15 minutes**	Travel to Trailhead	1.5 hours	Hiking	1 hour

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

name and address to be listed here

Entered 11/18/2011 [illegible]

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name:	JoEllen Niedeck	**Visit date:**	7/ 27 /09
Email or phone:	jeniedeck@yahoo.com	**Site name:**	Shaker Campsite
Common name:	Goldie's Fern	**Site number:**	25
Scientific name:	Dryopteris goldiana		

Found? ☒ Yes ☐ No ☐ Unsure

Why unsure if found?

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		**For larger occurrences:**	
GPS coordinates:	X Y	**GPS N or top:**	X . Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y ,
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	*<1 acre*	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length: approx. 120' along trail		Width: 10-30' (varied)	

Rare Plant Info

Count unit:	☐ stem OR ☒ clump OR ☐ rosette	**Vegetative: 100%**	0 1-5 6-25 26-50 *51-100*
Plant count:	71	**% Flowering:**	*0* 1-5 6-25 26-50 51-100
Count time:	Approx. 20 minutes	**% Fruiting:**	*0* 1-5 6-25 26-50 51-100
OR Estimate:	251-500 501-1000 >1000	**% Senescent:**	*0* 1-5 6-25 26-50 51-100
OR %Cover:	0 1-5 6-25 26-50 51-100	**Seedlings or Immature present?**	☐ Yes ☐ No ☒ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

All looked healthy

Excellent
Average
Poor
Unsure

Associated Site Condition (Circle one)

Water on site: Flooded Wet *Moist* Dry

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun 50-95 % sun *5-50% sun* >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:.

Trees (up to 3):	Shrubs (up to 3):	Understory (up to 5):
Only deciduous, mostly Maples		*lots* of Nettle (Urtica), Jewel weed (impatiens), Christmas Fern and Wood ferns.

*** The large number of tall Nettle plants in the area made it difficult to be sure I found all the ferns**

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

Did not see any in this area – on the trail south of Fernside Road.

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	None ***Trace*** Some Most	**Trail maintenance?**	☐ Yes ☒ No ☐ Unsure %___
Browsing:	***None*** Trace Some Most	**ATV tracks?**	☐ Yes ☒ No ☐ Unsure %___
Insect damage or disease:	***None*** Trace Some Most	**Social trails?**	☐ Yes ☒ No ☐ Unsure %___
Competition/ succession:	None Trace ***Some*** Most	**Campsite?**	☐ Yes ☒ No ☐ Unsure %___
Drought?	☐ Yes ☒ No ☐ Unsure %___	**Plant collection?**	☐ Yes ☒ No ☐ Unsure %___
Erosion?	☐ Yes ☒ No ☐ Unsure %___	**New development?**	☐ Yes ☒ No ☐ Unsure %___
Other (please describe) and disturbance specific comments:			

Comments, suggestions and/or management actions that may benefit the rare plants:

I was unable to locate any of Goldie's Fern on the other side of Fernside road.

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent:		monitoring	**.5 hour**	Travel to Trailhead	1.5 hours	Hiking	1 hour

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:
name and address to be listed here

Entered 11/18/2009 for Shaker Campsite / Fernside Rd

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name:	JoEllen Niedeck	**Visit date:**	7/27/09
Email or phone:	jeniedeck@yahoo.com	**Site name:**	Shaker Campsite
Common name:	Large Flowered Bellwort	**Site number:**	25
Scientific name:	U. grandiflora		

Found? ☒ Yes ☐ No ☐ Unsure

Why unsure if found?

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		**For larger occurrences:**	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	3 ft	**GPS W:**	X Y
E-W:	1 ft		

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length: 3'		Width: 1'	

Rare Plant Info

Count unit:	☒ stem OR ☐ clump OR ☐ rosette	**% Vegetative:**	0 1-5 6-25 26-50 ***51-100***
Plant count:	9	**% Flowering:**	***0*** 1-5 6-25 26-50 51-100
Count time:	10 minutes	**% Fruiting:**	0 1-5 6-25 ***26-50*** 51-100
OR Estimate:	251-500 501-1000 >1000	**% Senescent:**	***0*** 1-5 6-25 26-50 51-100
OR %Cover:	0 1-5 6-25 26-50 51-100	**Seedlings or Immature present?**	☐ Yes ☐ No ☒ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed: ***Average*** Plants looked healthy, one had yellow/brown spots on leaves. Three had seed pods.

Associated Site Condition (Circle one)

Water on site: Flooded Wet ***Moist*** Dry

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun 50-95 % sun ***5-50% sun*** >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:.

Trees (up to 3):
Maples

Shrubs (up to 3):

Understory (up to 5):
Baneberry, maiden hair fern, Broad leafed grass that looks checkered.

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

None at this area, on the South side of Fernside Road.

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	None ***Trace*** Some Most	**Trail maintenance?**	☐ Yes ☒ No ☐ Unsure %___
Browsing:	**None** Trace Some Most	**ATV tracks?**	☐ Yes ☒ No ☐ Unsure %___
Insect damage or disease:	None ***Trace*** Some Most	**Social trails?**	☐ Yes ☒ No ☐ Unsure %___
Competition/ succession:	None ***Trace*** Some Most	**Campsite?**	☐ Yes ☒ No ☐ Unsure %___
Drought?	☐ Yes ☒ No ☐ Unsure %___	**Plant collection?**	☐ Yes ☒ No ☐ Unsure %___
Erosion?	☐ Yes ☐ No ☒ Unsure %50	**New development?**	☐ Yes ☒ No ☐ Unsure %___
Other (please describe) and disturbance specific comments:			

Comments, suggestions and/or management actions that may benefit the rare plants:

I could only find one small clump of the species – I found none on the north side of the road. The plants were right next to the road and trail.

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							
Time spent:		monitoring	**10 minutes**	Travel to Trailhead	1.5 hr.	Hiking	30 minutes

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:
name and address to be listed here

entered 11/29/2011 END Benedict Pond

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Christine Ward	**Site Name**: Benedict Pond
Volunteer Hours — **monitoring:** 30 minutes; **travel time:** 10 minutes	
Date of Visit: (ex.06/22/2003) 06 / 08 / 09	**Site Number**: MA-26

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

Scientific Name: Thuja Occidentalis

Common Name: White Cedar, E. Arborvitae

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

NAD27 decimal degrees referred

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

Stage of Plant Development: Estimate % in flower, fruit, or veg	in flower %	in fruit/seed %	vegetation only %

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

Number of Individual Plants Found: (If individuals, tell how counted –stems, clumps? If over 250, circle appropriate estimate)

Number of Individuals: **30 Stems** 251-500 501-750 751-1000 >1000

Area covered by the rare species:

Example: 6 ft. x 3 ft. or 18 sq. ft Approx. 10 x 75ft = 750 Square Feet. **Square Feet or Acres** (Circle measurement used)

Vigor of Species: (Please explain below)

Excellent _X_ Good____ Fair____ Struggling____

Please circle plant characteristics vigor is based on: leaf color, bloom size, plant size, leaf retention, other:

There was a healthy range of mature and young specimens in the area monitored indicating a healthy population that is sustaining itself.

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 or threats at the site? **Yes** **No**

(Circle all that apply) Trampling Campsite **Trail Maintenance** Collection ATV

Other: **The cedar sapling and trees are found on both side of the Benedict Loop pond trail between two brooks on the , care should be taken during trail maintenance to insure that these plants are protected**

Did you notice any other threats or changes at the site? **Yes** **No** (Please Circle or List if known)

Insects: (ex. Hemlock woolly adelgid) Animal Browsing:

Invasive/Exotic Plants: Identify invasives if known:

Competition from other plants: Plant Succession: Other:

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

Continued monitoring seems sufficient at this time.

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: Steve Smith, MA AT Committee, 4 Douglas Rd, Westford, MA 01886

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42 entered 11/18/2011 jmb

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Dave Pirog **Visit date:** 9 / 4 / 09

Email or phone: dpirog@charter.net **Site name:** Vosshurg Hills

Common name: Small-flowered agrimony **Site number:** 31

Scientific name: Agrimonia parviflora

Found? ☑ Yes ☐ No ☐ Unsure

Why unsure if found?

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		For larger occurrences:	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.: 460 (approx
Small occurrences	Length:		Width:	

Rare Plant Info

Count unit: ☑ stem OR ☐ clump OR ☐ rosette

Plant count: 293

Count time: 150 minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 26-50 51-100

% Flowering: 0 1-5 6-25 26-50 51-100

% Fruiting: 0 1-5 6-25 26-50 51-100

% Senescent: 0 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☑ Yes ☐ No ☐ Unsure

What is the condition of this rare plant occurrence? Excellent / Average / Poor / Unsure

Please note the characteristic(s) considered and what you observed:

Three sub-plots adjacent to each other. Healthy plants; appear to be thriving. Many immatures.

Associated Site Condition (Circle one)

Water on site: Flooded (Wet) Moist Dry

(Estimate amount of light reaching rare plants)

Sunlight: (>95% sun) 50-95 % sun 5-50% sun >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:.

Trees (up to 3): Shrubs (up to 3): Understory (up to 5):

buckthorn
barberry
multiflora rose

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

buckthorn, barberry, and multiflora rose all intermingled with the agrimony and crowding out many plants. (all invasives have since been removed)

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	(None) Trace Some Most	**Trail maintenance?**	☐ Yes ☑ No ☐ Unsure %___
Browsing:	None (Trace) Some Most	**ATV tracks?**	☐ Yes ☑ No ☐ Unsure %___
Insect damage or disease:	None (Trace) Some Most	**Social trails?**	☐ Yes ☑ No ☐ Unsure %___
Competition/ succession:	None Trace (Some) Most	**Campsite?**	☐ Yes ☑ No ☐ Unsure %___
Drought?	☐ Yes ☑ No ☐ Unsure %___	**Plant collection?**	☐ Yes ☑ No ☐ Unsure %___
Erosion?	☐ Yes ☑ No ☐ Unsure %___	**New development?**	☐ Yes ☑ No ☐ Unsure %___

Other (please describe) and disturbance specific comments: Field mowing by local farmer to within 1 inch of agrimony plot. Areas have since been flagged.

Comments, suggestions and/or management actions that may benefit the rare plants:

The immediate area surrounding the agrimony has been hand-mown to reduce competition and this will be repeated again in May/June, 2010. (8 hrs)

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent: 9hrs, 30mins monitoring 3hrs, 20mins Travel to Trailhead 6 hours Hiking 10 minutes

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

Steve Smith, 4 Douglas Rd., Westford, MA 01886, stevenhsmith@verizon.net

Vossburg Hills

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Entered 11/18/2011 LWS

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Dave Pirog **Visit date:** 9 / 25 / 09

Email or phone: dpirog@charter.net **Site name:** Vossburg Hills

Common name: yellow oak **Site number:** 31

Scientific name: Quercus muehlenbergii

Found? ☑ Yes ☐ No ☐ Unsure

Why unsure if found?

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		For larger occurrences:	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length:		Width:	

Rare Plant Info

Count unit: ☐ stem OR ☐ clump OR ☐ rosette

Plant count: original count (50-60) confirmed; many seedlings noted

Count time: (approx) 90 minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 26-50 51-100

% Flowering: 0 1-5 6-25 26-50 51-100

% Fruiting: 0 1-5 6-25 26-50 51-100

% Senescent: 0 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☑ Yes ☐ No ☐ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

Minor insect damage on approx 10% of lower leaves (shot-gunning); no insects present.

(Excellent) Average Poor Unsure

Associated Site Condition (Circle one)

Water on site: Flooded Wet Moist (Dry)

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun (50-95 % sun) 5-50% sun >5% sun

List the most common species growing together with or immediately adjacent to the rare plants:

Trees (up to 3): Shrubs (up to 3): Understory (up to 5):

White ash
other oak
maple

~~other~~ ferns.

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

Nothing significant. some barberry, buckthorn, multiflora rose

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	(None) Trace Some Most	**Trail maintenance?**	☑ Yes ☐ No ☐ Unsure % < 1
Browsing:	(None) Trace Some Most	**ATV tracks?**	☐ Yes ☑ No ☐ Unsure %
Insect damage or disease:	None (Trace) Some Most	**Social trails?**	☐ Yes ☑ No ☐ Unsure %
Competition/ succession:	(None) Trace Some Most	**Campsite?**	☐ Yes ☑ No ☐ Unsure %
Drought?	☐ Yes ☑ No ☐ Unsure %	**Plant collection?**	☐ Yes ☑ No ☐ Unsure %
Erosion?	☐ Yes ☑ No ☐ Unsure %	**New development?**	☐ Yes ☑ No ☐ Unsure %
Other (please describe) and disturbance specific comments:			

Comments, suggestions and/or management actions that may benefit the rare plants:

The trees appear healthy. Suggest that no management action is needed at this time.

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent: 2 Hrs, 50 mins monitoring 1 Hr, 20 Min Travel to Trailhead 1 Hour Hiking 30 Min

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

Steve Smith, 4 Douglas Rd., Westford, MA 01886, stevenhsmith@verizon.net

Entered 11/18/2011 Elbow Trail

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Ted Weber **Visit date:** Aug 27 2009

Email or phone: Teddytweber@gmail.com **Site name:** Elbow Trail

Common name: Mountain Winterberry **Site number:** MA-38

Scientific name: Ilex montana

Found? ☒ Yes ☐ No ☐ Unsure

Why unsure if found?

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched. NO map?

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		For larger occurrences:	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.
Small occurrences	Length:		Width:	

Rare Plant Info

Count unit: ☐ stem OR ☒ clump OR ☐ rosette

Plant count: 40 approx

Count time: minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 (26-50) 51-100

% Flowering: 0 1-5 6-25 26-50 51-100

% Fruiting: 0 1-5 6-25 26-50 (51-100)

% Senescent: 0 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☐ Yes ☐ No ☒ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

Most were fruiting.

(Excellent)
(Average)
Poor
Unsure

Associated Site Condition (Circle one)

Water on site: Flooded Wet (Moist) Dry

(Estimate amount of light reaching rare plants)

Sunlight: >95% sun 50-95 % sun (5-50% sun) >5% sun

Trees (up to 5): Shrubs (up to 5): Understory (up to 5):

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

None noticed

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	(None) Trace Some Most	**Trail maintenance?**	☐ Yes ☒ No ☐ Unsure %___
Browsing:	(None) Trace Some Most	**ATV tracks?**	☐ Yes ☒ No ☐ Unsure %___
Insect damage or disease:	(None) Trace Some Most	**Social trails?**	☐ Yes ☒ No ☐ Unsure %___
Competition/ succession:	(None) Trace Some Most	**Campsite?**	☐ Yes ☒ No ☐ Unsure %___
Drought?	☐ Yes ☒ No ☐ Unsure %___	**Plant collection?**	☐ Yes ☒ No ☐ Unsure %___
Erosion?	☐ Yes ☒ No ☐ Unsure %___	**New development?**	☒ Yes ☐ No ☐ Unsure %___

Other (please describe) and disturbance specific comments: The ice storm from last december took out a few of them, but nothing to be concerned about. They look very healthy and are fruiting.

Comments, suggestions and/or management actions that may benefit the rare plants:

Trail crews should be aware of them as some clumps are growing very close to waterbars and drainage features.

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent: 6 hr total monitoring 1 hr Travel to Trailhead 1 hr Hiking 4 hrs (I came in from Jug End,

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

Steve Smith, 4 Douglas Rd., Westford, MA 01886, stevenhsmith@verizon.net

Entered 11/16/2011 fwp

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Ted Weber **Visit date:** Oct 14 2009

Email or phone: teddytweber@gmail.com **Site name:** Guilder Pond

Common name: Mountain Winterberry **Site number:** 39

Scientific name: Ilex montana

Found? ☒ Yes ☐ No ☐ Unsure

Why unsure if found?

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched.

GPS Unit: # **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):			**For larger occurrences:**		
GPS coordinates:	X	Y	**GPS N or top:**	X	Y
GPS accuracy:		ft or m	**GPS E:**	X	Y
Area covered by rare species			**GPS S or bottom:**	X	Y
N-S:		ft or m	**GPS W:**	X	Y
E-W:		ft or m			

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length:		Width:	

Rare Plant Info

Count unit: ☐ stem OR ☒ clump OR ☐ rosette

Plant count: 30

Count time: half hour minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 6-25 (26-50) 51-100

% Flowering: 0 1-5 6-25 26-50 51-100

% Fruiting: 0 1-5 6-25 (26-50) 51-100

% Senescent: 0 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☐ Yes ☐ No ☐ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

Some were in fruit, some not

Excellent
(Average)
Poor
Unsure

Associated Site Condition (Circle one) **(Estimate amount of light reaching rare plants)**

Water on site: Flooded Wet (Moist) (Dry) **Sunlight:** >95% sun 50-95 % sun (5-50% sun) >5% sun

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

None

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	(None) Trace Some Most	**Trail maintenance?**	☐ Yes ☒ No ☐ Unsure %
Browsing:	(None) Trace Some Most	**ATV tracks?**	☐ Yes ☒ No ☐ Unsure %
Insect damage or disease:	(None) Trace Some Most	**Social trails?**	☐ Yes ☒ No ☐ Unsure %
Competition/ succession:	(None) Trace Some Most	**Campsite?**	☐ Yes ☒ No ☐ Unsure %
Drought?	☐ Yes ☒ No ☐ Unsure %	**Plant collection?**	☐ Yes ☒ No ☐ Unsure %
Erosion?	☐ Yes ☒ No ☐ Unsure %	**New development?**	☐ Yes ☐ No ☐ Unsure %

Other (please describe) and disturbance specific comments: Like the Elbow Trail site, there was some minor damage to a few stems from last winters ice storm.

Comments, suggestions and/or management actions that may benefit the rare plants:

The original report states there were 100 or so clump in the area. I only found 3 but I didn't venture to far from the trail. If I had more time I'm sure I could have found more.

Photo log	Occurrence	Flowering plant
Filename:		

Time spent: _____ monitorin

- I can only conclude that this was an incomplete monitoring event - I have no idea how to use this report or how to have confidence in observations

sturbance	Other

Hiking

Please submit completed
Steve Smith, 4 Dou

ring coordinator:
erizon.net

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Draft ver. 0.42

Entered 11/18/2011 AND

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, please refer to the monitoring report and rare species occurrence map given to you during training. If you see an urgent threat or disturbance to the rare plants, contact your coordinator immediately!

Monitor name: Ted Weber **Visit date:** Oct / 4 / 2009

Email or phone: teddytweber@gmail.com **Site name:** Mt. Race

Common name: Rands Goldenrod **Site number:** MA-41

Scientific name: Solidago simplex ssp. randii v. monticola

Found? ☐ Yes ☐ No ☒ Unsure

Why unsure if found? I'm pretty sure I found them, but I'm not positive.

If you were unable to bring a GPS unit, please **sketch**, on the rare species occurrence map provided to you, the approximate area covered by rare plants this year, or if not found, please sketch the area searched. never received a map

GPS Unit: # No gps unit **coord/datum:**

For small occurrences (<1000 ft² or < 50 ft long):		For larger occurrences:	
GPS coordinates:	X Y	**GPS N or top:**	X Y
GPS accuracy:	ft or m	**GPS E:**	X Y
Area covered by rare species		**GPS S or bottom:**	X Y
N-S:	ft or m	**GPS W:**	X Y
E-W:	ft or m		

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.:
Small occurrences	Length: 20 ft big patch and then there were isolated clumps spread beyond.		Width:	

Rare Plant Info

Count unit: ☐ stem OR ☒ clump OR ☐ rosette

Plant count: 50 (approx)

Count time: minutes

OR Estimate: 251-500 501-1000 >1000

OR %Cover: 0 1-5 6-25 26-50 51-100

% Vegetative: 0 1-5 (6-25) (26-50) 51-100

% Flowering: 0 1-5 6-25 (26-50) 51-100

% Fruiting: 0 1-5 6-25 26-50 51-100

% Senescent: 0 1-5 6-25 26-50 51-100

Seedlings or Immature present? ☐ Yes ☐ No ☒ Unsure

What is the condition of this rare plant occurrence?

Please note the characteristic(s) considered and what you observed:

There were two spots where hiker traffic had damaged some flowering stems.

Excellent
(Average)
Poor
Unsure

Associated Site Condition (Circle one)

Water on site: Flooded Wet Moist (Dry)

(Estimate amount of light reaching rare plants)

Sunlight: (>95% sun) 50-95 % sun 5-50% sun >5% sun

There was another location approx .8 - .9 miles south of Race Summit where the plants were growing in the woods on a rocky ledge.

List any invasive exotic species seen on site during your visit, and note degree of infestation as low, medium or high.

None that I noticed, but there were katydids calling and I never remember them being up there (even on Mt. Everett summit! 2600 ft.). They must be moving north.

Note any disturbance seen affecting, or potentially affecting the rare plants. Record details in the comments, and, if indicated, record the portion of rare plants affected:

Trampling:	None (Trace) Some Most	**Trail maintenance?**	☐ Yes ☒ No ☐ Unsure %
Browsing:	None (Trace) Some Most	**ATV tracks?**	☐ Yes ☒ No ☐ Unsure %
Insect damage or disease:	(None) Trace Some Most	**Social trails?**	☒ Yes ☐ No ☐ Unsure %
Competition/ succession:	(None) Trace Some Most	**Campsite?**	☐ Yes ☒ No ☐ Unsure %
Drought?	☐ Yes ☒ No ☐ Unsure %	**Plant collection?**	☐ Yes ☒ No ☐ Unsure %
Erosion?	☐ Yes ☒ No ☐ Unsure %	**New development?**	☐ Yes ☒ No ☐ Unsure %
Other (please describe) and disturbance specific comments:			

Comments, suggestions and/or management actions that may benefit the rare plants:

The plants I found match the precise location and description described in the NHR summary, but they did not match the photos I was sent. I have two guidebooks and could not find this species in either. SO... I need some good photos to ~~[illegible]~~ make a positive I.D. In the future, I plan to bring a good camera as well. I currently don't have one

Photo log	Occurrence	Flowering plant	Juvenile	Unknown species	Insect/ disease	Disturbance	Other
Filename:							

Time spent: _____ monitoring _____ Travel to Trailhead Hiking

Thank you for your help!

Please submit completed form, within 3 weeks of your visit, to your monitoring coordinator:

Steve Smith, 4 Douglas Rd., Westford, MA 01886, stevenhsmith@verizon.net

Massachusetts Appalachian Trail
Natural Heritage Report—2009
Steven H. Smith, Program Coordinator
For the Mass. AT Management Committee
Berkshire Chapter, AMC

Site MA-03, Lower Sherman Brook, Monitor: Cosmo Catalano
We are just beginning the monitoring of this site. One visit on 9/12 found the Tick-Trefoil, report attached. The Stiff Gentian was not found, and the Bellwort and Pogonia are spring monitor targets and we will get them in 2010.

Site MA-06, Paull Brook, Monitor: Cosmo Catalano
This site has been monitored for several years. In 2009, Cosmo reports the Broad Waterleaf is spreading despite some threats, and the Large Flowered Bellwort is in good condition and healthy. See reports attached.

Site MA—07, Mt Prospect to Mt Williams, Monitor: Jim Pelletier
We are just starting the monitoring on this site. 3 visits were made in Sep/Oct, including one with Charlie Quinlan, expert. The Large Leaved Goldenrod was found in abundance; however, two extensive searches for the Bartram's Shadbush on Mt Williams yielded nothing. We will try again in blooming season next spring, but this plant may be declining at this site. Charlie pointed out a new occurrence of Woodland Millet near the parking for Wilbur's Clearing. We will add this to our work in future years.

Site MA—08, Mt Williams to Mt Fitch, Monitor: Jim Pelletier
Again, we are just starting the monitoring of this site. One visit was made in Oct. The Mountain Woodfern and Large Leaved Goldenrod were found in abundance north of Mt Williams; however, the Bartram's Shadbush was not found. We will try again in the spring to locate the Bartram's.

Site MA—09, Greylock Summit, Monitor: Steve Schimpff
Steve took over this site from Kate Leary on June 5, 09. Kate and her late husband had monitored this site for several years and passed on a very complete notebook. Steve made several visits, first with Kate and later alone and with Charlie Quinlan. With all this help, we have a fair assessment of conditions on this site.
The Black-fruited Woodrush was found healthy in transplanted patch near bldgs at summit. Charlie had advised the road construction and supervised the transplant of this rare plant to save it.
The Bartram's Shadbush was found and was healthy. Another occurrence was found by C. Quinlan and Steve will add this to his list.
The Northern Mountain Ash was found and several other occurrences were pointed out by C. Quinlan.
The Mountain Cranberry was found; this solitary Mass patch was healthy and expanding slightly. Labrador Tea is protecting the Mountain Cranberry and Garden Volarium, an invasive, is threatening it. Charlie helped us pull up some of the invasive plant.

The Woodland Millet was found in abundance at the site specified in the inventory. The occurrence was protected during the road construction.
Large-Leaved Goldenrod and Mountain Woodfern were both found in abundance, as is the case all over Greylock.
White Mandarin has been reported in previous years by the Leary's, but was not found this year by Steve Schimpff. We will source help for the ID next season.

Site MA—10, Saddle Ball Ridge, Monitor: Steve Smith
We are beginning the monitoring of this site in 09. Two visits were made, the second with C. Quinlan.
Bartram's Shadbush was found at the first subpopulation listed in the inventory, but the second was not monitored. C. Quinlan pointed out a new occurrence nearer to the parking near the hairpin turn. Detailed monitoring will be done in spring of 2010.
The Heart-leaf Paper Birch was found in the sphagmun swamp near the Bartram's.
Mountain Woodfern and Large-leaved Goldenrod were found in abundance.
The Northern Mountain Ash was found, but it is not clear to C. Quinlan that all the previous individuals still survive. More work needed in 2010.

Site MA—11, Old Adams Road, Monitor: Tom Galvagni
Tom is a new monitor, trained in late 09. He will start his monitoring in 2010.
No visits to this site in many years.

Site MA—13, Kitchen Brook Drainage, Monitor: Tom Galvagni
Tom is a new monitor, trained in late 09. He will start his monitoring in 2010.
No visits to this site in many years.

Site MA—22, Hop Brook at Main Rd, Monitor: Diane Crowell
We spent some of the May workshop in this area and Ted Elliman helped with the identification. Ted found lots of the Tuckerman Sedge and none of the hooked sedge. He felt the hooked sedge was weak when first observed and is gone now. Diane's subsequent detailed work, reports attached, revealed that the Tuckerman Sedge is healthy and spreading somewhat.

Site MA—24, Hop Brook Gas Pipeline, Monitor, Brian Conz
This site has been monitored in the past, but no reports have been received for 2009. Brian did attend the workshop in May, so I will reach out to him for joint work in 2010.

Site Ma—25, Shaker Campsite-Fernside Road, Monitor: JoEllen Niedeck
Large-flowered Bellwort, Goldie's Fern, Clustered Snakeroot, and Bog Goldenrod were found and reports are attached. The Glade Fern and Mayapple were not found and will be the subject of expert help in 2010. There is some confusion between the original inventory and a 2005 list of rare plants. The Long-styled Sanicle and the Tall Toothwort are mentioned on the second list but not the first. We will sort this out in 2010 also.

Site MA—26, Benedict Pond, Monitor, Christine Ward
The Northern White Cedar was found and reported in detail. See attached report.

Site MA—28, Lake Buel Road Wetlands, Monitor, Christine Ward
No monitoring was reported on this site for 2009. Attention will be given in 2010 so we have a good handle on these RTE plants.

Site MA—31, Vossburg Hills, Monitor, Dave Pirog
Dave found and reported on the Yellow Oak, the Small-flowered Agrimony, and the Purple-stemmed Cliffbrake. Reports are attached. Dave also did extensive site maintenance per instructions for the Small-flowered Agrimony. The Canada Moonseed and the Hairy Lettuce were not found; we will get expert help on these two in 2010.

Site MA—33, Hubbard Brook, Monitor, Anne-Elizabeth Barnes
No monitoring was reported on this site for 2009. Anne-Elizabeth resigned mid year due to other obligations. We have a new monitor, Jordan Takvorian, who will pick up this site in 2010. Training and orientation will be done early in the season.

Site MA—33, Sheffield/Egremont Line, Monitor, Anne-Elizabeth Barnes
Same situation as 33 above.

Site MA—35, April Hill Farm, Monitor, Anne-Elizabeth Barnes
Same situation as 33 above.

Site MA—38, Elbow Trail, Monitor, Ted Weber
Ted found the Mountain Winterberry and gave a detailed report, which is attached.

Site MA—39, Guilder Pond, Monitor, Ted Weber
Ted found the Mountain Winterberry and gave a detailed report, which is attached.

Site MA—41, Mt Race, Monitor, Ted Weber
Ted is pretty sure he identified the Rands Goldenrod correctly and gave a detailed report, which is attached. In 2010, we will get expert help to confirm the identification. Ted found a second location where this plant was observed.

SHS, 1/3/2010

Natural Heritage & Endangered Species Program

Please submit field forms, a copy of a USGS map, and all supporting documentation to the State Botanist at:

Massachusetts Natural Heritage & Endangered Species Program
Division of Fisheries and Wildlife
Route 135
Westborough, MA 01581
(508) 792-7270 ext 200

RARE PLANT OBSERVATION FORM

Species Scientific Name: Gentiana andrewsii

NHESP Element Occurrence Number (if known): .027

Observation Date: 17 Sept 2009 Today's Date: 29 Sept 2009

USGS Quad Name and Series (7.5"x7.5" or 7.5"x15"):

County: Berkshire Town: Sheffield

Directions to location of observations (please attach USGS map):
Area along A.T. on S. Egremont Rd. Can be accessed (for Trail, about 400 ft in from road

Habitat: (plant communities, associated vegetation, physical characteristics, geological features and surrounding land use. Are other rare species present?)
Most extensive occurrence previously reported for detailed vegetation, especially shrubs, since clearcut Trail in 1997.

Area, Numbers, Phenology

Population found: No. of mature plants:

not found: X No. of immature plants:

Presumed extirpated: No. of plants age unknown:

(give reasons under "Comments")

Population area:

Percent of population in leaf: bud: flower:

with immature fruit: mature fruit: senescent:

Observations of floral visitors, fruit dispersers:

Vigor of individuals and population:

Evidence of expansion or decline: Couldn't find

Have you observed this species at this site in previous years? Please give details:
Yes in 1997

Site Physiography

Elevation:_____

Topographic position	Aspect	Slope	Light	Moisture
crest _____	N___	0-20____	open____	inundated ____
upper slope_____	E___	20-45____	filtered____	wet ____
mid slope_____	S___	45-75____	shade____	mesic____
lower slope_____	W___	vert.____		dry ____
bottom_____	Flat___			xeric ____

Soil types:_____

Surficial rock types (with percent of ground covered):_____

Bedrock/parent material:_____

Surficial water (distance away):_____ Source:_____

Management / Ownership

NHESP Site Name (if any): Hubbard Brook Managed Area:_____

Comments/Management recommendations: Areas need to be mowed frequently

Disturbance or threats (natural or unnatural) to population: Succession

Owner's Name: National Park Service Telephone: (___)_____

Address:_____

Owner Comments:_____

Observer Information

Observer's Name: J.C. Stevenson, L. Perry, G. Cannia Telephone: (413) 637-4057

Address: 44 Taconic Drive, Lenox, MA 01240

Plant ID by:_____

Specimen # & Herbarium:_____

Element Occurrence (EO) Summary (Circle one choice in each category)

EO Quality: (How representative is this occurrence? Consider the size and productivity of the population and the vitality and vigor of the individuals.)

A - Excellent **B** - Good **C** - Marginal **D** - Poor

Comments:_____

EO Condition: (Is the habitat supporting the EO pristine or degraded? Is there a potential for the habitat to recover from disturbances? **A** - Excellent **B** - Good **C** - Marginal **D** - Poor

Comments:_____

EO Viability: (What are the long-term prospects for continued existence of this occurrence at the indicated level of quality?) **A** - Excellent **B** - Good **C** - Marginal **D** - Poor

Comments:_____

EO Defensibility: (Can this occurrence be protected from extrinsic human factors?)

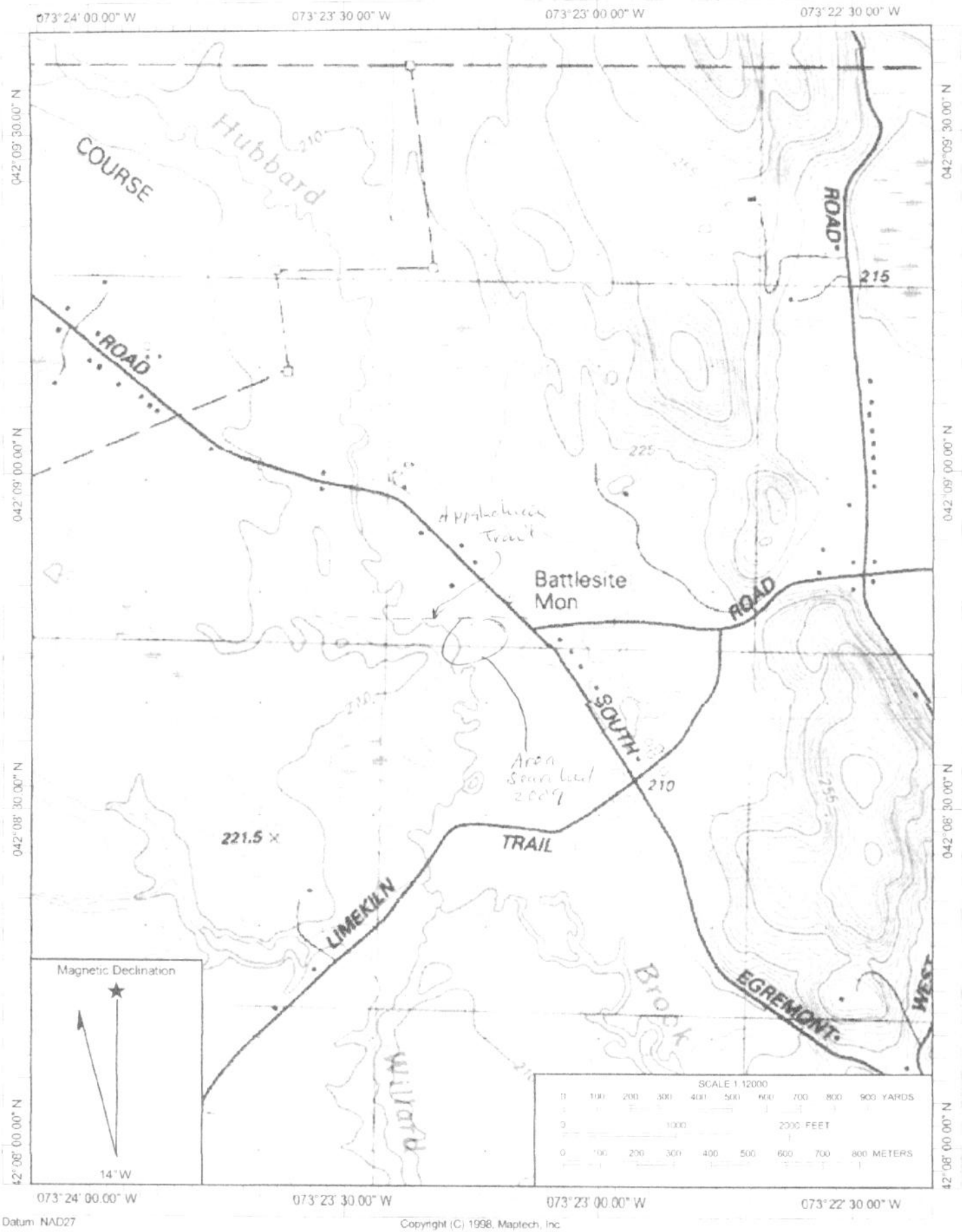
A - Excellent **B** - Good **C** - Marginal **D** - Poor

Comments:_____

EO RANK: (A summary of all factors listed above.) **A** - Excellent **B** - Good **C** - Marginal **D** - Poor

Comments:_____

Signature: J.C. Stevenson Jr. Date: 23 Sept 2009



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☒ New ☐ Update
☐ Entire Known EO
SubEO[s] only

CT Department of Environmental Protection
Natural Diversity Data Base
Element Occurrence (EO)
SPECIAL PLANT SURVEY FORM

Reporter: Edward & Anne Dodge
Address: 44 Warner Rd.
Barkhamsted, CT
Telephone: 860-379-0836

Species Name: *Sibbaldiopsis tridentata*	**Element Code:**	**Eonum:**
Site: Bear Mountain	Survey Date: 06/03/2009	Sourcecode:
Town(s): Salisbury	Survey Date:	Sourcecode:
Quad(s): Bashbish Falls, MA	Survey Date:	Sourcecode:

Full extent of population known and mapped by reporter? ☐ Yes ☐ No Other:

Directions to site: Access Appalachian Trail from one of two ways.
Travel Rte 41 north of Salisbury to the Undermountain Trail parking area (3.2 miles). Hike 1.9 miles to AT.

From Salisbury take Factory Rd to Mt Riga Rd. to Mount Washington Road. Park at the Bear Mountain Rd (Trail) parking area (total of 7 miles). Bear Mountain Rd is an old charcoal tote road unpassable by car. Hike 1 mile to the AT.
Hike north on the AT to the site(s) of the element.

Locational uncertainty:
☒ Negligible (within 6.25m, corrected GPS or precisely bounded area)

Areal Estimated (radius, meters):
☐ 25 ☐ 100 ☐ 100 ☐ 4000
☐ 50 ☐ 500 ☐ 1500 Custom:

GPS Coordinates (Optional) Preferred Datum: NAD 83

Model: Garmin 12XL	Lat: 42° 02' 26.8 N
Accuracy: 25'	Long: 73° 27' 18.0 W

GPS data post-processed?: ☐ Y ☐ N

Areal Delimited: (If the observed area is known to be somewhere within a bounded area on the map, please draw the boundary with dashed lines, describe features. If an area is precisely known, draw with solid lines and indicate Negligible uncertainty.)

BIOLOGY

Population Area

☐ 1m²
☐ 1-5m²
☐ 6-10 m²
☐ 11-100 m²
☒ 101 m²-2ac
☐ 2 ac+
Actual area :

Population Size

Ramets		Genets
41	Actual #	_____
	or	
_____	Estimated	_____
	(or range)	

Phenology	Age Structure	Vigor
69 % In leaf	% Seedlings	☐ Very feeble
14 % In bud	20 % Immature	☐ Feeble
7 % In flower	20 % 1st Year	☒ Normal
% Immature fruit	60 % Mature	☒ Vigorous
%Mature fruit	(established)	☐ Exceptionally
% Seed dispersing	% Senescent	vigorous
%Dormant	☐ Age structure unknown	

Comments on above: Bear Mountain is a 2,316ft summit and the first populations were found approx 200-300 ft. below the summit. The figures reported above are for the first population found. All total there were at least 10 separate populations spanning from the GPS Coordinates shown above to the summit of Bear Mountain. The populations were all of about the same vigor and the percentages of leaf, bud, and flower were approximately the same. Some were on the trail but many more were off the trail. The largest population by far was just north/west of the summit located west of the permitted camping area. The GPS coordinates for that site are N 42° 02'42.5, W 73° 27'18.4. This area is estimated to have at least 250-300 ramets.

Evidence of disease, predation or injury? ☐ Yes ☒ No Explain: _____

HABITAT

Aspect
☒ N ☐ NE
☐ E ☐ NW
☐ S ☐ SE
☐ W ☐ SW
☐ Flat
° re true N
° re mag N

Slope
☐ 0-3%
☐ 3-8%
☐ 8-15%
☒ 15-35%
☐ 35% - vertical
Measured (° or %):
Horizontal shape (as for next item):
Vertical shape (ie. Convex, concave, straight, variable):

Light
☒ Open
☒ Partial
☐ Filtered
☐ Shade

Topographic Position
☒ Crest
☒ Upper Slope
☐ Mid-Slope
☐ Lower-Slope
☐ Bottom
Other:

Moisture
☐ Permanently Inundated
☐ Seasonally Inundated/Exposed
☐ Tidally Inundated/Exposed
☐ Saturated (Hydric)
☐ Moist (Mesic)
☒ Dry-Mesic
☐ Dry-Xeric
Other:

Elevation: _____ ft to _____ ft
Evidence of disturbance: ☐ fire ☐ logging ☐ disease ☐ insect damage ☐ windthrow ☐ invasives

Comments:

Cross section of topography / habitat (include scale, direction, element position, description, and suboccurrence ID[s], if needed):

Associated natural/plant community(ies): Pitch pine, scrub oak and exposed bedrock
Associated plant species (separated strata, e.g. tree, shrub, herb layers): Pinus rigida, Pinus spp. (P. virginiana?), Quercus ilicifolia, Vaccinium angustifolium, Betula populifolia, Acer rubrum, Aronia spp., Amelanchier spp. (A.arborea?), Rhododendron arborescens, Prunus pensylvanica. Cyripedium acaule, Maianthemum canadense, Trientalis borealis, Polypodium virginianum, Mitchella repens, Streptopus roseus, Aralia nudicaulis.

Soil/substrate name/description(give source): _____

Estimated # of acres of potential habitat in the immediate area: _____

IDENTIFICATION

Photograph taken? ☒ Yes ☐ No Photo ID: _____

Specimen taken? ☐ Yes ☒ No If yes, give collector, collection # and repository: _____

Identification problems? ☐ Yes ☒ No Explain: _____

CONSERVATION

Owner info: _____

Owner aware of EO? ☒ Yes ☐ No ☐ Unknown Owner protecting EO? ☒ Yes ☐ No ☐ Unknown

Threats to EO:	Foot traffic, particularly hikers wandering off trail.
Conservation/ management needs:	Encroachment of blueberries although numerous EOs were found growing vegetatively under the low bush blueberry.
Research needs:	none

SUMMARY

For each category assign a letter rank as follows: A-Excellent B-Good C-Marginal D-Poor E-Unable to assess

EO Size: (Compare area of occupancy, population abundance, density and fluctuation with other occurrences in the region.)

Rank: B **Comments:**

EO Condition: (Reproduction and health, species composition and biological structure, ecological processes, abiotic physical/chemical factors)

Rank: B **Comments:**

Landscape Context (Landscape structure and extent, and condition of the surrounding landscape)

Rank: B **Comments:**

Eo Rank: (ie, A summary of all factors listed above.) A B C D E

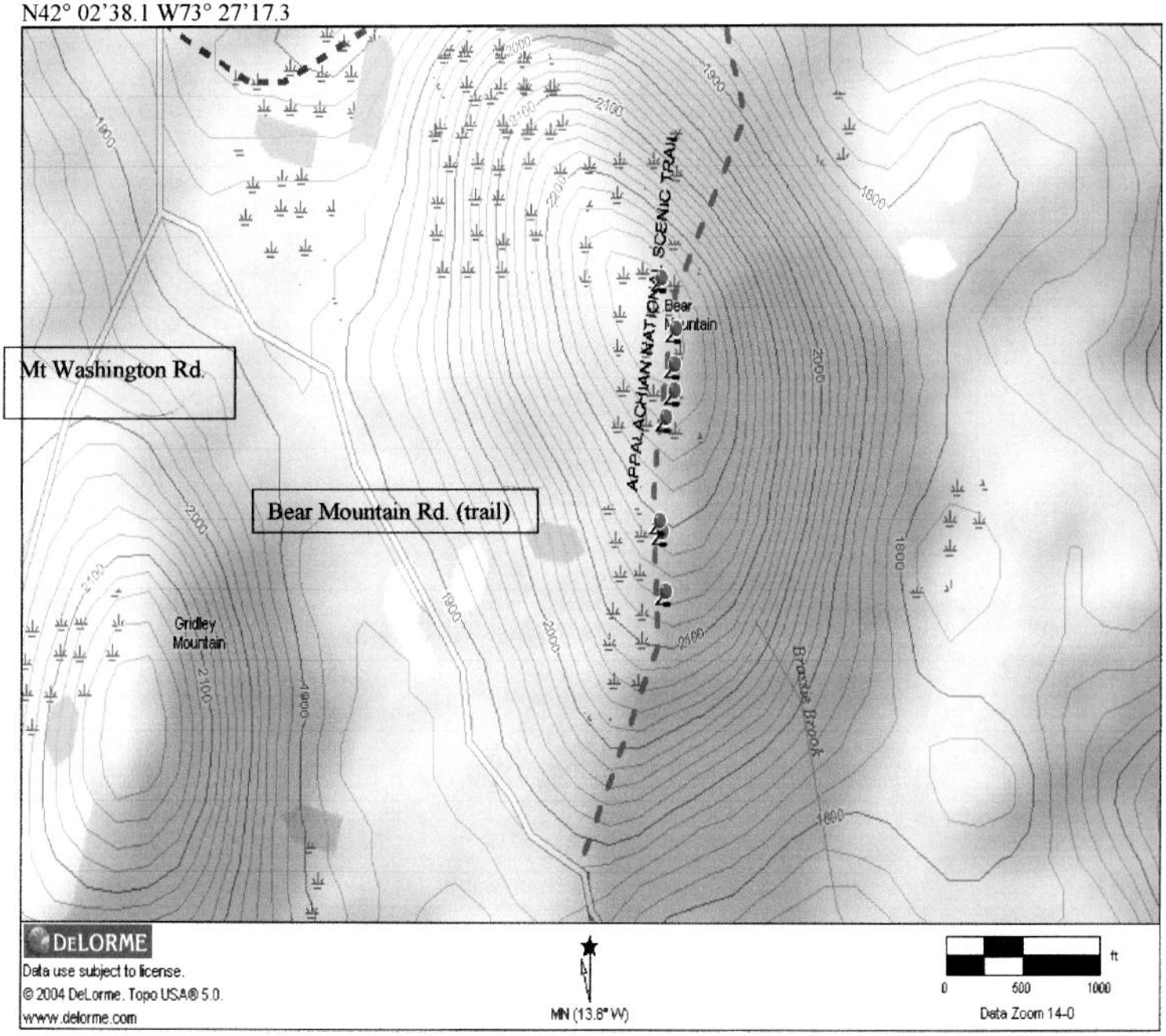
Rank: B **Comments:**

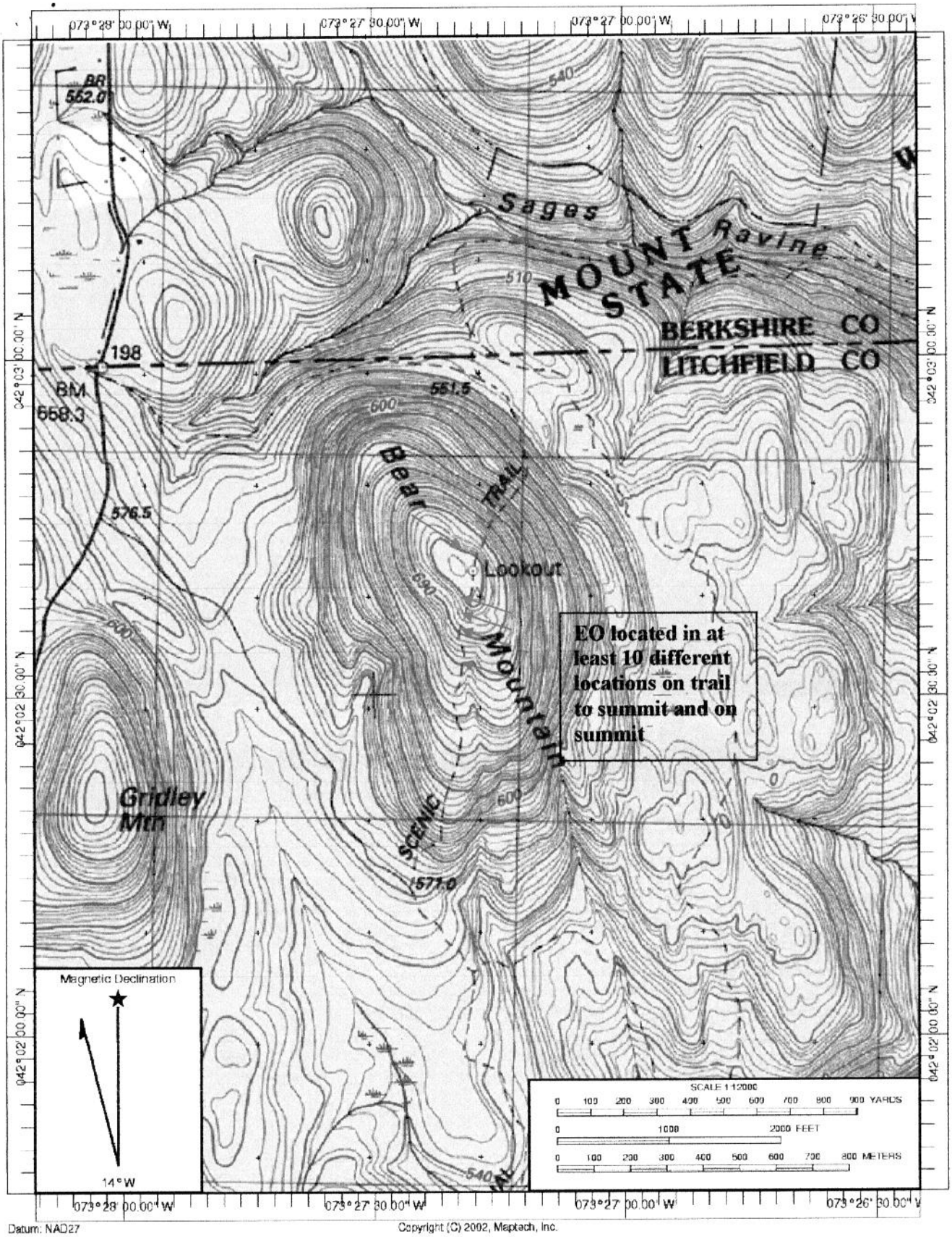
Attachments:

☐ Sketch map (showing finer detail than topo or aerial photo)
☐ Aerial photo base EO location map
☐ USGS quad base EO location map
☐ Prints ☐ Slides ☐ Field notes ☐ Route of survey map ☐ quad base ☐ aerial photo base

Return completed form to:
PCV Administrative Coordinator- NEWFS
180 Hemenway Road
Framingham, MA 01701-2699

Additional GPS Coordinates: N42° 02'29.8, W 73° 27'18.5: N 42° 02'30.3, W 073° 27'18.6:
N42° 02'35.5 W73° 27'18.0: N42° 02'39.9 W73° 27'17.2: N42° 02'36.8 W73° 27'17.3:
N42° 02'38.1 W73° 27'17.3





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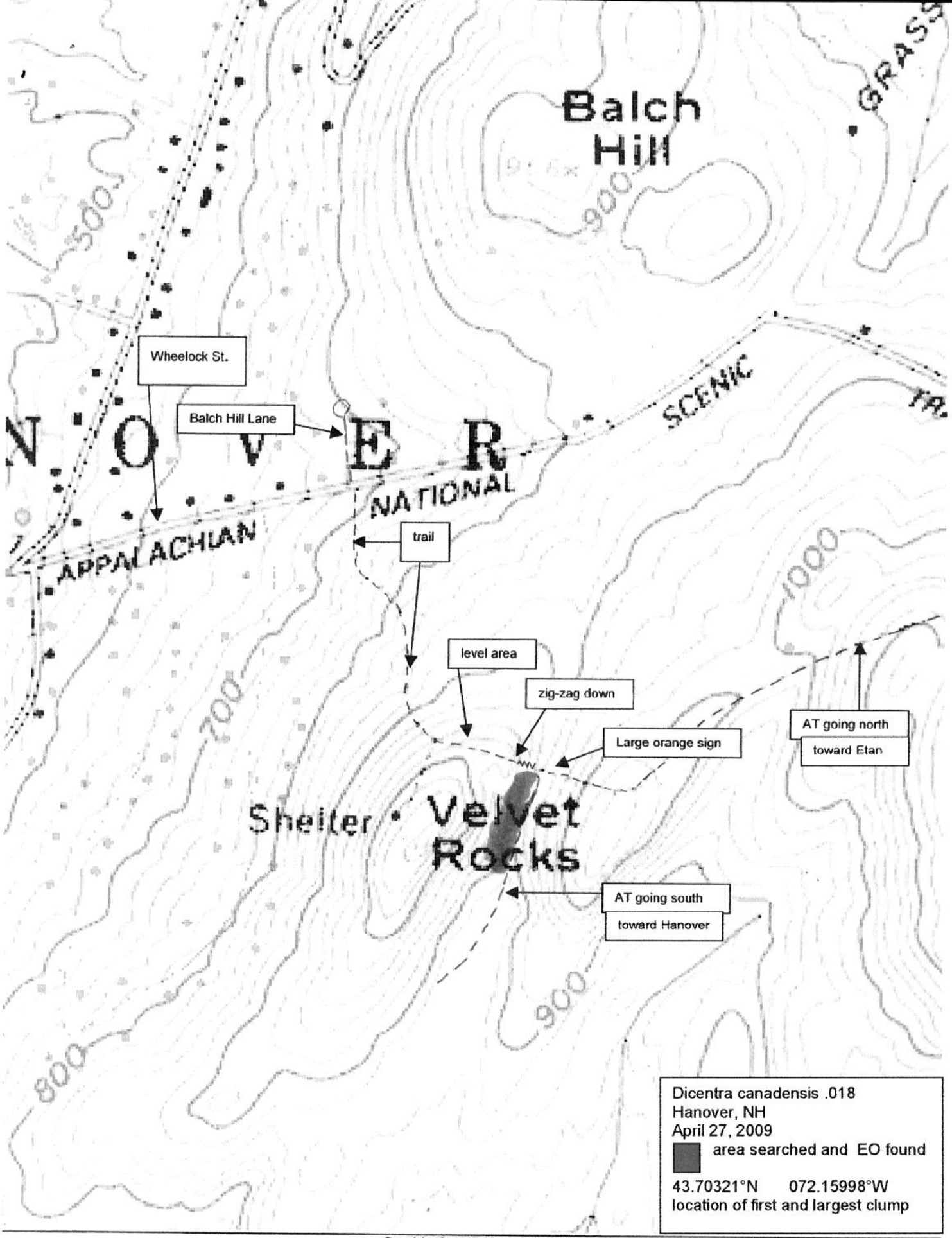
NH Natural Heritage Bureau – Rare plant digital reporting form (last revised 3/21/2007)

Species:	Dicentra Canadensis
EONum:	.018
Survey Site:	Velvet Rocks Ravine
Town:	Hanover
Date:	27 April 2009
Surveyors:	Sarah Schwaegler, Don Lacey
Phone / e-mail:	Sarah: 603-272-4817, sarah@indianpondnh.com; Don: 603-448-6440, dlacey@valley.net
GPS model:	Garmin etrex
GPS coordinates:	43.70321 N, 072.15998 W
Datum:	NAD 83
Directions:	From the traffic light at the intersection of North Park St. (Route 120) and East Wheelock St. in downtown Hanover, procede 1.0 mi. East on East Wheelock St (which changes it's name to Trescott Rd) to Balch Hill Lane where one can turn Left (North) and park at the side of the Lane. Across East Wheelock St from Balch Hill Lane, near telephone pole 2-55, there are two green, vertical pipes and a small drainage from the forest above. This is the beginning of the trail, which has no sign or marking at its beginning. As one climbs the trail, which we would rate as steadily uphill, but moderate, the trail is clear and faint blazes are to be seen. Go past a spur trail to the left labeled "water." At the top of the slope (about 15 minutes), a signed spur trail goes straight toward the shelter, but we continued on the trail proper which turns sharp left in the signed direction "to Velvet Rocks and AT." From this point the trail meanders on a level area then zig-zags down a rocky slope into a ravine where the Appalachian Trail, marked by orange signs, runs North-South. This ravine is the survey site. We turned South on the AT and continued to a point where habitat changes from hardwood to softwood. We saw no Dicentra in this initial walk South on the AT itself. We continued South to a point where other end of spur to shelter went off to the right, 43^0 42.012'N, 072^0 15.998'W. At this point we turned around and proceeded back North on the AT, until the conifer forest we had entered to the South changed back into hardwoods farther North. At this point we fanned out to search the West slope of the ravine, Sarah following a line heading North on the lower portion of the slope, while Don paralleled her farther up the slope. After several hundred feet of searching Sarah found the first and largest of the patches of D. Canadensis, at the Lat-Long noted at the top of this form. This clump may be found by walking 530 ft. South on the AT from the orange sign denoting the intersection of the AT with the side trail we walked up from East Wheelock St. At the point on the AT where this patch is located, there is a very large lone white pine tree and right next to it a shaggy barked hardwood tree (?shagbark hickory) with a white AT blaze painted over an orange and black DOC blaze. The large clump is 67 feet up the West side of the ravine from these two trees. It consisted of 78 stems, 10 of which were D. Canadensis flower scapes, in an area 24" x 12" located at the base of a medium size boulder. (See photos 2443, 2444, 2445.) In the immediate area (which measured 15ft x 10 ft, were 11 small patches totaling 22 stems, one of which was a D. Canadensis flower scape. There was also in this

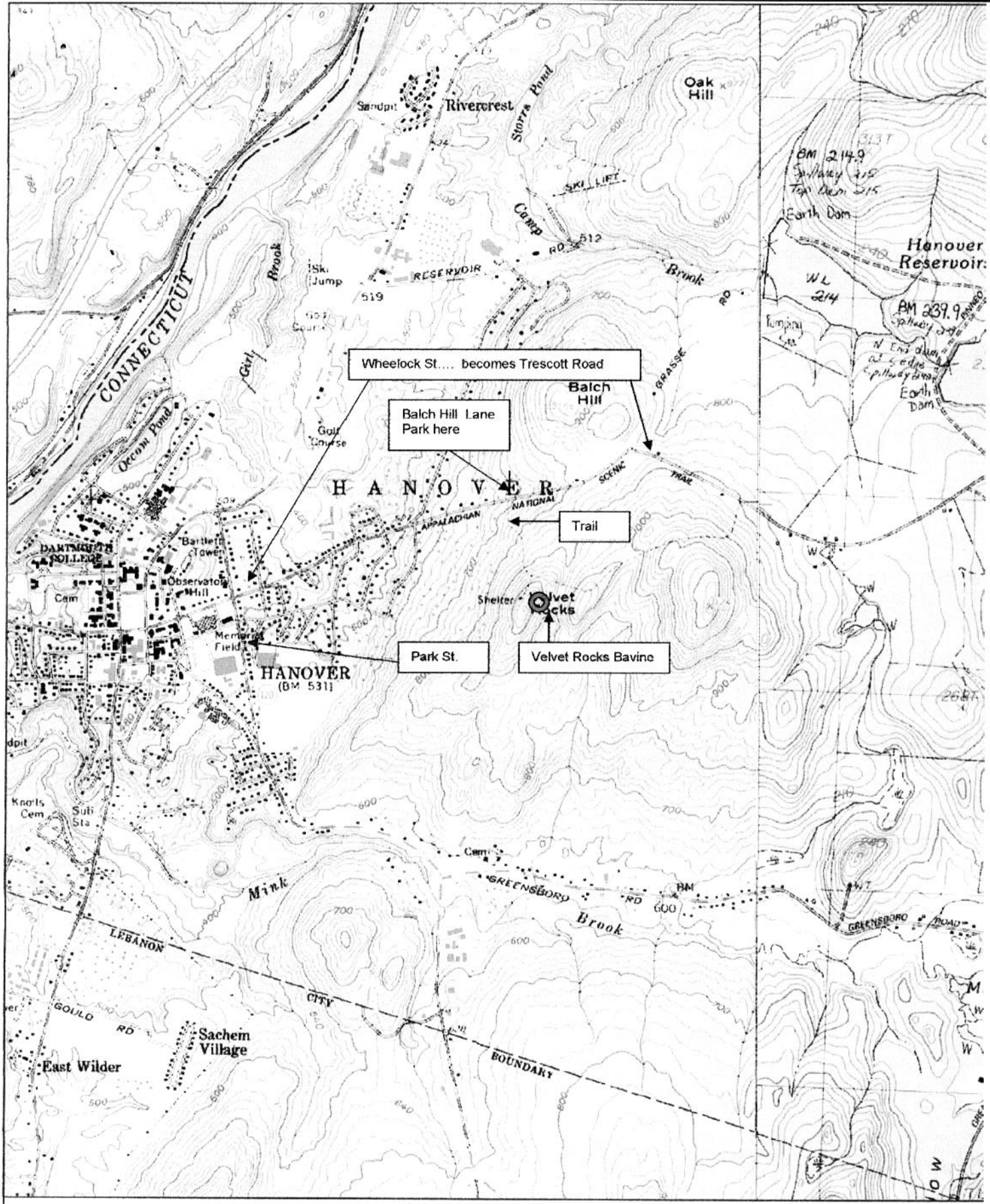
Gray labels = useful but not required. Except: newly discovered populations require a specimen or diagnostic photo(s).
Save as: **Species_Eonum_Observer_Date observed** (e.g. Isomed_010_Cairns_2007-08-12)
Submit to: NEWFS web site (http://conservation.newfs.org)

	area a 6" diam. patch of 13 Dicentra stems, three of which were D.canadensis flower scapes. (See photo 2446.) Carex plataginea and Caulophyllum were in the immediate area. As we continued to move North in this fashion, scattered occurrences of 1, 2, or 3 Dicentra vegetative stems were noted, primarily in the lower portion of the ravine bank that Sarah was covering. Higher up the bank, Don noted only two occurrences, a single stem and a group of 11 stems, all with no flowers. Sarah continued to find other larger clumps of from 7 to 32 stems. The largest of these additional clumps was a group of 66 stems near a large fallen tree, uprooted and running parallel to the path below, and broken into three long pieces. The uprooted stump of this tree is located 136 feet South along the AT from the orange junction sign described above and 70 feet up the West side of the ravine from the AT pathway. In total, we saw 378 Dicentra stems of which 17 stems were in bloom.
Diagnostic features:	The plants had characteristic, highly dissected Dicentra leaves. The blossoms seen had a heart shape to them and lacked the divergent spurs characteristic of D. cucullaria. (No D. cucullaria blossoms were seen)
Specimen:	No
Photograph:	Yes, four
Population size and area:	378 Dicentra stems of which at least 17 were definitely D. canadensis
Condition:	Good
Reproduction:	definitely occurring, as evidenced by blossoming
Habitat:	Rocky, bouldery slope in a rich, mesic hardwood forest with a high canopy
Associated species:	Hydrophyllum virginiana, Trillium erectum, Thalictrom dioicum, caulophyllum thallictroides
Management comments:	
Owner comments:	
Other Comments:	
Rank (A-D) :	Size: C Condition: B Landscape context: B Overall: B
Your experience with this species:	Local: X Statewide: X Regional: Global:

Gray labels = useful but not required. Except: newly discovered populations require a specimen or diagnostic photo(s).
Save as: **Species_Eonum_Observer_Date observed** (e.g. Isomed_010_Cairns_2007-08-12)
Submit to: NEWFS web site (http://conservation.newfs.org)



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Name: HANOVER
Date: 11/20/2009
Scale: 1 inch equals 2000 feet

Dicentra canadensis .018
Hanover, NH
April 27, 2009

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SPECIAL PLANT SURVEY FORM

Site name:	**Sugarloaf Mountain**	Survey site:	**Sugarloaf Cirque**
Quad name:	**Sugarloaf Mountain**	Quad code:	**4507013**
County:	**Franklin**	Town:	**Carrabassett Valley**

Date: **24 Aug 2009** Surveyor(s): **Janet and Robert Bissell; Bonnie Potter; John Mattor** Sourcecode: F

Plant Name: Pinguicula vulgaris	New ☐ Update ☒	Occurrence #: **001**

GPS data:

Directions: Take route 16/27 NW from Carrabassett. Turn South (left) onto Caribou Valley Rd, about 1 mile after crossing the South Branch of the Carrabassett River. Park at the AT crossing (NOTE: 4X4 is essential! the rd has degenerated, we had to park about a quarter mile from the AT, which is not marked) Head East on the AT toward Sugarloaf. Where the trail has sheer rock on the left, turn right off the trail. Head down slope to the brook and follow it up the ravine to the head of the stream. The plants are found in rock cracks in the middle of the cirque. See the attached topo map to see where we tried to find plant. I think we did not find the head of the stream and were not far enough into the cirque.

Number of individuals:

Population structure:

_____ % Vegetative
_____ % 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

Vigor:
- ☐ Very feeble
- ☐ Feeble
- ☐ Normal
- ☐ Vigorous
- ☐ Exceptionally vigorous

Comments: We did not find the plant. The directions were not very clear and we were not sure exactly where to start bushwhacking down to the brook. None the less we did go along the hill side and eventually found some rock face, but not the plant. In the future we suggest that Matt Arsenault be contacted to help with the location. This is a difficult location, a strenuous hike with the bushwhacking and the need for a 4 wheel drive vehicle make it a challenge.

Type of reproduction: ☐ sexual ☐ asexual	Explain:
Evidence of disease, predation, etc. ☐ yes ☐ no	Explain:

Aspect
- ☐ N ☐ NE
- ☐ E ☐ NW
- ☐ S ☐ SE
- ☐ W ☐ SW
- ☐ Flat or n/a

% Slope
- ☐ Flat
- ☐ 0-10
- ☐ 10-35
- ☐ 35+
- ☐ Vertical

Light
- ☐ Open
- ☐ Partial
- ☐ Filtered
- ☐ Shade

Topographic position
- ☐ Crest
- ☐ Upper slope
- ☐ Mid-slope
- ☐ Lower-slope
- ☐ Bottom

Moisture
- ☐ Inundated
- ☐ Saturated (wet-mesic)
- ☐ Moist (mesic)
- ☐ Dry-mesic
- ☐ Dry (xeric)

Elevation: minimum _____ft maximum _____ft

Associated natural community/plant community:

Associated plant species:

Substrate/soil type:

Threats to population:	

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

If yes, please complete below:
Hybridization? ☐ yes ☐ no
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?

- **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?

- **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?

- **Landscape Rank:**

1 Population surrounded by >= 1000 acres of undisturbed landscape.

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:	Landowner phone:
	Lot number (if known):
	Tax map (if known):
	Landowner aware of plant? ☐ yes ☐ no
	Landowner protecting plant? ☐ yes ☐ no
	Landowner comments:

Cross section of topography (habitat). Include scale, direction, element position.

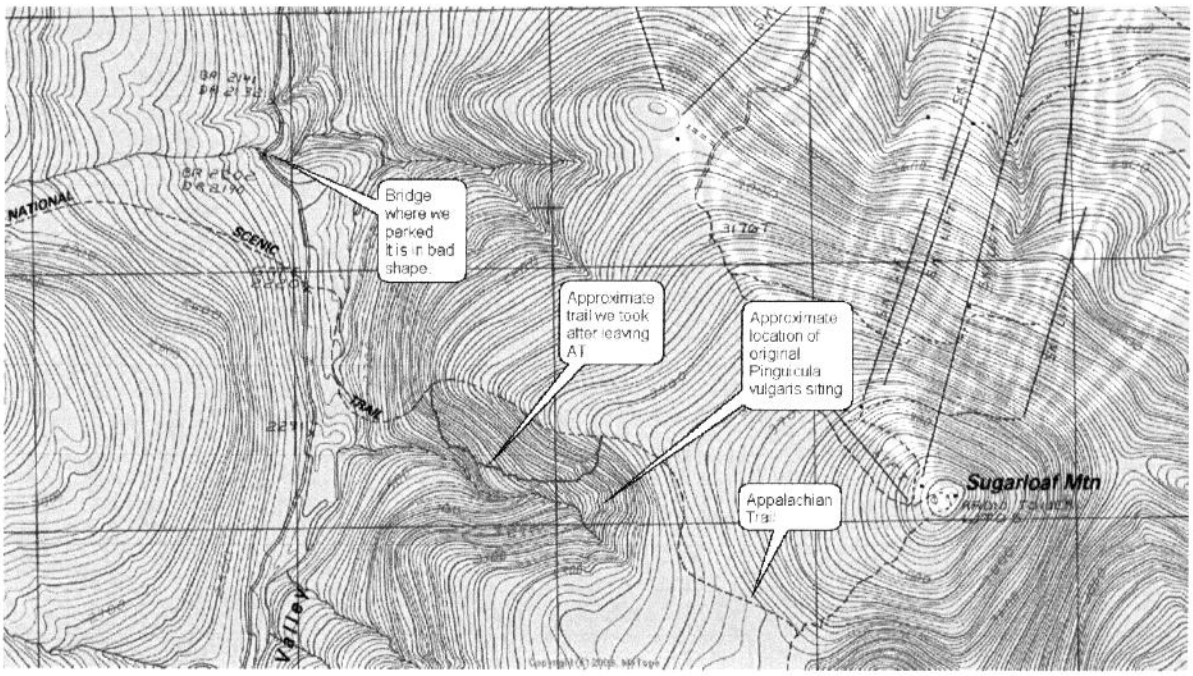
Feature Map: It is very important to include a map indicating the precise location and extent of the feature. Please follow these instructions carefully when attaching your feature map.
1. Attach a photocopy of the appropriate part of a USGS topographic map (1:24,000 scale if available) and write the 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 lin**e, 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 Administrative Coordinator, NEWFS, 180 Hemenway Road, Framingham, MA 01701.**


Bridge where we parked It is in bad shape.
Approximate trail we took after leaving AT
Approximate location of original Pinguicula vulgaris siting
Appalachian Trail
Sugarloaf Mtn
NATIONAL
SCENIC
TRAIL
Valley

Not Entered for 2009

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Tim Fortune	**Site Name:** Moxie Bald Mountain
Volunteer Hours Reporting 1 hr. monitoring: 6 hrs travel time: 6 hrs	**Site Number:** (ex. VA-70) ME 27
Date of Visit: (ex.06/22/2003) 07/19/2009	**Town/Township:** Bald mountain twp.

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

Scientific Name: (if known) Minuartia glabra **Common Name:** Smooth Sandwort

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

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

Stage of Plant Development: (circle or give %)					
(in flower)	%	in fruit/seed	%	vegetation only	%

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

Number of Individual Plants Found: (Please note how counted – individual stems or clumps. If under 250, please note number of individuals or clumps. If over 250, circle appropriate estimate)

Individuals or clumps _____ See Attached 251-500 501-750 751-1000 >1000

Area covered by the rare species:

Sq.Ft. / Acres (Circle measurement used)

Vigor of Species: (Please explain below) Excellent Good Fair Struggling

Existing Plants good vigor, Number diminished except on the North Peak on the Summit

Based on leaf color, bloom size, plant size, leaf retention, etc.

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? Yes (No)

(circle all that apply) Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? Yes (No) (Please circle and 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

If these protective measures are approved by the Appalachian Trail Park Office and ATC, would you be able to undertake them yourself, or would you need assistance?

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

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

ATC and the AT Park Office thank YOU for all of your hard work!

Please return this form to: ATC New England Regional Office, PO Box 312, Lyme, NH 03768

AT Rare, Threatened and endangered Plant Report
Moxie Bald Mountain July 19, 2009

At the Summit:
Similar findings to 2008 report.
Overall good vigor. Diminished numbers since 2005.
Very wet spring

Saddle:
Both saddle sites previously reported had populations of good vigor.
No plants found in '08

North Peak side trail:
Few plants found.

North Peak:
Abundant populations, Good vigor.

Conclusion:
Overall similar findings to '08
Summit populations declining since 2005.