

Entered 7/18/2012

Rare Plant Monitoring Data Form, Version 1.04

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, refer to the monitoring report and rare species occurrence map given to you during training. Fill out this form as directed in the AT Rare Plant Standard Operating Protocol (SOP) and volunteer guide given to you during training. If you see an urgent threat or disturbance to the rare plants, please contact your coordinator immediately!

	Monitor name	Email	Phone	Visit date:	8/22/2010
1	Trentin, Jane	janetrentin@yahoo.com		Site name:	
2	Donohue, Maureen	macaire75@att.net		Site number:	GA-21
3				Occurrence ID:	GA-21-01
4					
5					

Common name:

Scientific name: **Silene ovata**

Found? **Yes**

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. Preferred units are in **BOLD**. Be sure to record all measures and circle units used, even if they are the preferred values.

NPS GPS Unit: # None	GPS Accuracy: None	GPS Accuracy Units: Feet
Coordinate System: None	Datum : WGS84	
X Coordinate: 0	Y Coordinate: 0	
Area Covered: <u>24</u>	Units: <u>ft. Sq.</u>	Measurement Type: <u>Estimate</u>

Rare Plant Info

Count unit: Stem	% Vegetative: 6-25
Plant count: 18	% Flowering: 51-100
Count time: 30 minutes	% Fruiting: 0
OR Estimate:	% Senescent: 0
OR %Cover:	Seedlings or Immature present? Yes

What is the condition of this rare plant occurrence?

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

Associated Site Condition (Circle one)

Sun exposure on rare plants (estimate)

Water on site: Wet

Sunlight (% sun): <5

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

Trees	Shrubs	Understory
Carya	Hydrangea arborescens	Collinsonia tuberosa
Liriodendron tulipifera		Polystichum acrostichoides
Robinia pseudoacacia		Trifolium

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

	Species	Invasiveness		Species	Invasiveness
1	Plantago	L	6		
2			7		
3			8		
4			9		
5			10		

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	Trail maintenance?	No
Browsing:	None	ATV tracks?	No
Insect damage or disease:	Trace	Social trails?	No
Competition/ succession:	None	Campsite?	No
Drought?	No	Plant collection?	No
Erosion?	No	New development?	No
Other disturbance (please describe) and disturbance specific comments, if any:			

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

Photo Log (record additional on back)

Photo Number	Photo File Name	Feature Photographed (e.g., flower, juvenile, unknown, insect)	Location and Direction of Photo (e.g., from center of colony looking North)
1	None		
2			
3			
4			
5			
6			
7			
8			
9			
10			

Time spent: Monitoring: 60

Travel Time: 255

May be 375

Certification

Monitor: I certify that ALL data entered on this form are complete and accurate and that I have personally reviewed all entries

Monitor Name (signature): _____ Date: _____

Reviewer: I certify that I have reviewed ALL data on this form and have determined them to be complete and accurate

Name (printed): _____ Signature: _____ Date: _____

Purpose	Date	Initials
Entered into Spreadsheet	7/5/12	PW
100% Check		
10% Check		
Validation		

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

Thank you for your help!

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: Peggy L. Combs Visit date: 4 14 110
 Email or phone: (804) 358-4951 Site name: Humpback Mt.
 Common name: Rare Plant Community Site number: Va # 38
 Scientific name: submesotrophic scrub
 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 % Vegetative: 0 1-5 6-25 26-50 51-100
 Plant count: _____ % Flowering: 0 1-5 6-25 26-50 51-100
 Count time: _____ 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:

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 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:

*Hi. I was ask yrs. ago not to try to find Huperzia.
 It's located in an inaccessible place.
 → Rare plant community doing fine - P.C.*

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:
 name and address to be listed here

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: Submesotropiic 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: 10:30 a.m. 04 / 17 / 2010				
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 ☒ Trampling NA Camp Site ☒ 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. One small spot on bare rock occasionally shows signs of a campfire.				
Did you take any photographs ? Site photographed earlier.				
Monitoring and travel hours split between this and Site 45 /Segment 451				

incompatible form

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: Submesotrophic 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: 2:00 p.m.		04 / 17 / 2010		
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 Campsite 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.				
Monitoring and travel hours split between this and Site 44 /Segment 451				

Incompatible form

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Version 1.00

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, refer to the monitoring report and rare species occurrence map given to you during training. Fill out this form as directed in the AT Rare Plant Standard Operating Protocol (SOP) also given to you during training. If you see an urgent threat or disturbance to the rare plants, please contact your coordinator immediately!

Monitor name: Laura Neale Visit date: August 20 2010
 Email or phone: lneale@rockbridge.net Site name: Spy Rock
 Common name: Mountain Sandwort Site number: VA-47
 Scientific name: Minuartia groenlandica
 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.

NPS GPS Unit: # Coordinate system/Datum: Decimal degrees/ ☐ OR
 NAD83

For small occurrences (<1000 ft² or < 50 ft long):

GPS coordinates: X <u>39 49.592</u> Y <u>79 07.253</u>
GPS accuracy: <u> </u> ft or m
Area covered by rare species
Length: <u> </u> ft or m
Width: <u> </u> ft or m

For larger occurrences: will plan to do this 2011

GPS N or top: X <u> </u> Y <u> </u>
GPS E: X <u> </u> Y <u> </u>
GPS S or bottom: X <u> </u> Y <u> </u>
GPS W: X <u> </u> Y <u> </u>
GPS accuracy: <u> </u> ft or m

Rare Plant Info

Count unit: ☐ stem OR ☐ clump OR ☐ rosette

Plant count: 88 sq ft total scattered over 50 ft

Count time: approx 60 minutes 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

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

☐ Average

The nature of the plant's occurrence seems to be shifting-established areas are being invaded by other plant species, and M. groenlandica is "pioneering" in smaller or unoccupied crevices in the rock.

☒ Poor

☐ Unsure

Associated Site Condition (Circle one)

(Estimate amount of light reaching rare plants)

Water on site: ☐ Flooded ☐ Wet ☒ Moist ☐ Dry Sunlight: ☐ >95% sun ☒ 51-95 % 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):

SEE NATURAL HERITAGE RESOURCE	SITE DESCRIPTION - WILL PLAN TO	WORK ON THIS 2011
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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 Browsing: ☒ None ☐ Trace ☐ Some ☐ Most Insect damage or disease: ☒ None ☐ Trace ☐ Some ☐ Most Competition/succession: ☐ None ☐ Trace ☐ Some ☒ Most Drought? ☐ Yes ☐ No ☒ Unsure Erosion? ☒ Yes ☐ No ☐ Unsure	Trail maintenance? ☐ Yes ☒ No ☐ Unsure ATV tracks? ☐ Yes ☒ No ☐ Unsure Social trails? ☒ Yes ☐ No ☐ Unsure Campsite? ☒ Yes ☐ No ☐ Unsure Plant collection? ☐ Yes ☒ No ☐ Unsure New development? ☐ Yes ☒ No ☐ Unsure
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Other disturbance (please describe) and disturbance specific comments, if any:

LITTER! - never seen so much

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

I continue to believe and recommend as usual, that an interpretive/educational sign might keep people from trampling.

Photo Log

Photo Number	Feature Photographed (eg. flower, juvenile, unknown, insect)	Location and Direction of Photo (eg. from center of colony looking North)
1	SEE col	
2	2574-2591	
3		
4		

Time spent: _____ Monitoring 45 min ow Travel to Trailhead 1.8 mi ow Hiking to occurrence _____

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

Thank you for your help!

Submit by E-mail

entered 11/17/2011
fuel

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Monitor name: Dick Frisbee Visit date: July 17, 2010
Email or phone: None Site name: Cowcamp Gap
Common name: Great Indian Plantain Site number: 50
Scientific name: Cacalia meuhlenbergii
Found? ☒ Yes ☐ No ☐ Unsure
Why unsure if found? Very sure

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.

SEE
HIS
LETTER
→

NPS GPS Unit: # Coordinate system/Datum: Decimal degrees/ ☐ OR
NAD83

For small occurrences (<1000 ft² or < 50 ft long):

For larger occurrences:

GPS coordinates: X <u> </u> Y <u> </u>	GPS N or top: X <u> </u> Y <u> </u>
GPS accuracy: <u> </u> ft or m	GPS E: X <u> </u> Y <u> </u>
Area covered by rare species	GPS S or bottom: X <u> </u> Y <u> </u>
Length: <u>6 ft</u> ft or m	GPS W: X <u> </u> Y <u> </u>
Width: <u>3 ft</u> ft or m	GPS accuracy: <u> </u> ft or m

Location 12 ft East of Appalachian Trail; 525 ft north of Flat Granite Rock near Bald Knob Summit

Rare Plant Info

Count unit: ☐ stem OR ☒ clump OR ☐ rosette

Plant count: 6 clumps

Count time: 30 min. minutes

OR Estimate: ☐ 251-500 ☐ 501-1000 ☐ >1000

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

4 non-blooming

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

2 blooming

% 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 location of Great Indian Plantain near the summit of Bald Knob (Long Mt.) is remarkable. Flower stalks over 6 ft high! First blooms ever.

- ☒ 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 ☐ 51-95% 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):

Dominant Hickory Oak, & Maple forest is not causing any problem. Rare plant seems happy with partial shade.

Shrubs (up to 3):

No problem from woody shrubs. Nearby Catbrier (*Smilax rotundifolia*) must be contained.

Understory (up to 5):

The major aggressive plant is Cow Parsnip. I carefully cut it away from clumps of Great Indian Plantain.

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

Invasive Cow Parsnip competition is High. It's too risky to spray or dig roots. Must cut it away very carefully. Catbrier is getting closer each year.

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

Browsing: ☒ None ☐ Trace ☐ Some ☐ Most

Insect damage or disease: ☒ None ☐ Trace ☐ Some ☐ Most

Competition/succession: ☐ None ☐ Trace ☐ Some ☒ Most

Drought? ☐ Yes ☒ No ☐ Unsure

Erosion? ☐ Yes ☒ No ☐ Unsure

Trail maintenance? ☒ Yes ☐ No ☐ Unsure

ATV tracks? ☐ Yes ☒ No ☐ Unsure

Social trails? ☐ Yes ☒ No ☐ Unsure

Campsite? ☐ Yes ☒ No ☐ Unsure

Plant collection? ☐ Yes ☒ No ☐ Unsure

New development? ☐ Yes ☒ No ☐ Unsure

Other disturbance (please describe) and disturbance specific comments, if any:

No other competitor currently.

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

Continue to cut off Cow Parsnip at ground level each year.

Photo Log

Photo Number	Feature Photographed (eg, flower, juvenile, unknown, insect)	Location and Direction of Photo (eg, from center of colony looking North)
1	Did <u>not</u> have camera	
2		
3		
4		

Time spent: 1/2 Hr Monitoring 4 Hrs. Travel to Trailhead 8 Hrs. Hiking to occurrence

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

Thank you for your help!

Submit by E-mail

entered 11/7/2010
fms

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Version 1.00

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Monitor name: Dick Frisbee Visit date: Aug. 21, 2010
Email or phone: none Site name: Mt. Pleasant
Common name: Rand's Goldenrod Site number: 51
Scientific name: Solidago simplex var. Randii
Found? ☒ Yes ☐ No ☐ Unsure
Why unsure if found? Very sure

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.

SEE HIS LETTER ATTACHED
Entire top area of Mt Pleasant

NPS GPS Unit: # Coordinate system/Datum: Decimal degrees/ ☐ OR
NAD83

For small occurrences (<1000 ft² or < 50 ft long):

GPS coordinates: X Y
GPS accuracy: ft or m
Area covered by rare species (likely 2 or 3 miles)
Length: approx. 1,500 ft ft or m
Width: approx 100 ft ft or m

For larger occurrences:

GPS N or top: X Y
GPS E: X Y
GPS S or bottom: X Y
GPS W: X Y
GPS accuracy: ft or m

Rare Plant Info

Count unit: ☒ stem OR ☐ clump OR ☐ rosette
Plant count: 1,398 plants
Count time: 6 Hours minutes
OR Estimate: ☐ 251-500 ☐ 501-1000 ☐ >1000
OR %Cover: ☐ 00 ☐ 1-5 ☐ 6-25 ☐ 26-50 ☐ 51-100

713 blooming

% Vegetative: ☐ 00 ☐ 1-5 ☐ 6-25 ☒ 26-50 ☐ 51-100
685 Non-blooming
% Flowering: ☐ 00 ☐ 1-5 ☐ 6-25 ☐ 26-50 ☒ 51-100
% Fruiting: ☐ 00 ☐ 1-5 ☐ 6-25 ☐ 26-50 ☐ 51-100
% Senescent: ☐ 00 ☐ 1-5 ☐ 6-25 ☐ 26-50 ☐ 51-100

Seedlings or Immature present? ☒ Yes ☐ No ☐ Unsure
Few young plants (vegetative reproduction)
☐ Excellent
☒ Average
☐ Poor
☐ Unsure

What is the condition of this rare plant occurrence? Same as previous years

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

West Overlook	296 blooming	348 non blooming
East Overlook	417 "	329 " "
Buzzard Rock	0 "	8 " "

Associated Site Condition (Circle one)

(Estimate amount of light reaching rare plants)

Water on site: ☐ Flooded ☐ Wet ☐ Moist ☒ Dry
Sunlight: ☒ >95% sun ☐ 51-95 % 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):

American Mt. Ash
Witch hazel
American Beech
(stunted by cold and
wind exposure)

Shrubs (up to 3):

Blueberry
Mt Laurel
Rhododendron

Understory (up to 5):

Actually Rand's
Goldenrod is the
bare granite rock
dominant species.
Several Mt Saxifrage
at West Overlook.
Sedum in West area.

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

Human foot wear is the only threat ?

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

Browsing: ☒ None ☐ Trace ☐ Some ☐ Most

Insect damage or
disease: ☒ None ☐ Trace ☐ Some ☐ Most

Competition/
succession: ☒ None ☐ Trace ☐ Some ☐ Most

Drought? ☒ Yes ☐ No ☐ Unsure

Erosion? ☐ Yes ☒ No ☐ Unsure
Very slight

Trail
maintenance? ☒ Yes ☐ No ☐ Unsure

ATV tracks? ☐ Yes ☒ No ☐ Unsure

Social trails? ☒ Yes ☐ No ☐ Unsure

Campsite? ☒ Yes ☐ No ☐ Unsure

Plant
collection? ☐ Yes ☒ No ☐ Unsure

New
development? ☐ Yes ☒ No ☐ Unsure

Other disturbance
(please describe)
and disturbance
specific
comments, if any:

The campfire site on East overlook present
in 2009 has been removed. Plants on the
main East overlook rock gradually get stepped
on by many visitors. Campfire sites on West
Overlook are no problem.

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

A plaque (metal) needed especially on East Overlook
stating importance of protecting plants.

Photo Log

Photo Number	Feature Photographed (eg, flower, juvenile, unknown, insect)	Location and Direction of Photo (eg, from center of colony looking North)
1	Flowers above rosettes	West Overlook (Top Rocks).
2	" " "	West Overlook (Rock outcrops north side of trail).
3	" " "	East overlook facing Buzzard Rock.
4	" " "	East overlook facing Little Mt Pleasant.

Time spent: 6 Hrs. Monitoring 4 Hrs Travel to Trailhead 4 Hrs Hiking to occurrence round trip

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

Thank you for your help!

Submit by E-mail

entered 11/17/2011
fms

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Monitor name: Norman & Jinx Sykora Visit date: Jul 16, 2010
 Email or phone: jsyk@centralva.net Site name: Cold Mt.
 Common name: Great Indian Plantain Site number: VA-49
 Scientific name: Cacallia 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.

NPS GPS Unit: # Coordinate system/Datum: Decimal degrees/ ☐ OR
 NAD83

For small occurrences (<1000 ft² or < 50 ft long):

For larger occurrences:

GPS coordinates: X <u> </u> Y <u> </u> GPS accuracy: <u> </u> ft or m Area covered by rare species Length: <u> </u> ft or m Width: <u> </u> ft or m	GPS N or top: X <u> </u> Y <u> </u> GPS E: X <u> </u> Y <u> </u> GPS S or bottom: X <u> </u> Y <u> </u> GPS W: X <u> </u> Y <u> </u> GPS accuracy: <u> </u> ft or m
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Rare Plant Info

Count unit: ☐ stem OR ☐ clump OR ☐ rosette

Plant count: 9

Count time: 50 minutes 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 plants were basal leaves, none flowering. Plants were healthy and large.

☐ 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 ☐ 51-95 % 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):

Shagbark Hickory, oak, maple

Shrubs (up to 3):

Understory (up to 5):

Grass (not known) Cow Parsnip

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

Browsing: ☒ None ☐ Trace ☐ Some ☐ Most

Insect damage or disease: ☐ None ☒ Trace ☐ Some ☐ Most

Competition/succession: ☒ None ☐ Trace ☐ Some ☐ Most

Drought? ☐ Yes ☒ No ☐ Unsure

Erosion? ☐ Yes ☒ No ☐ Unsure

Trail maintenance? ☐ Yes ☒ No ☐ Unsure

ATV tracks? ☐ Yes ☒ No ☐ Unsure

Social trails? ☐ Yes ☒ No ☐ Unsure

Campsite? ☐ Yes ☒ No ☐ Unsure

Plant collection? ☐ Yes ☒ No ☐ Unsure

New development? ☐ Yes ☒ No ☐ Unsure

Other disturbance (please describe) and disturbance specific comments, if any:

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

Photo Log

Photo Number	Feature Photographed (eg, flower, juvenile, unknown, insect)	Location and Direction of Photo (eg, from center of colony looking North)
1		
2		
3		
4		

Time spent: 50 minutes Monitoring 45 minutes Travel to Trailhead 15 minutes Hiking to occurrence

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

Thank you for your help!

Submit by E-mail

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!

entered 11/17/2011

Monitor name: Nancy Anthony
 Email or phone: nanthony@embargmail.com
 Common name: noddling pogonia
 Scientific name: Triphora trianthophora
 Found? ☒ Yes ☐ No ☐ Unsure

Visit date: July / 30 / 2010
Aug. / 7 / 2010
 Site name: North Creek
 Site number: VA-56

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.

I do not have a rare species occurrence map

GPS Unit: # _____

coord/datum: _____

For small occurrences (<1000 ft² or < 50 ft long):

GPS coordinates:	X	Y
GPS accuracy:	_____ ft or m	
Area covered by rare species		
N-S:	_____ ft or m	
E-W:	_____ ft or m	

For larger occurrences:

GPS N or top:	X	Y
GPS E:	X	Y
GPS S or bottom:	X	Y
GPS W:	X	Y

Area covered by rare species:				
Large occurrences	<1 acre	1-5 acres	>5 acres	Sq. Ft.: _____
Small occurrences	Length: 20' 50' + 100'		Width: up to 8'	

I monitor this orchid at three distinct sites.

more in previous years

Rare Plant Info

Count unit: ☒ stem OR ☐ clump OR ☐ rosette

Plant count: 42 stems

Count time: ~ 120 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

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

Average

Based on observations from previous years the size and general vigor of the plants seen seemed about average. The original observation area again had no plants but there were 10 more plants seen this year and two had four bloom buds.

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

Trees (up to 3):

Beech
Red Oak

Shrubs (up to 3):

Understory (up to 5):

Dense ground cover
of pea family

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

The ground cover noted above isn't exotic to my knowledge but it is becoming invasive at one of the areas where the orchid is found.

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

Browsing: None Trace Some Most

Insect damage or disease: None Trace Some Most

Competition/succession: None Trace Some Most

Drought? ☐ Yes ☐ No ☐ Unsure %

Erosion? ☐ Yes ☐ No ☐ Unsure %

Trail maintenance? ☐ Yes ☐ No ☐ Unsure %

ATV tracks? ☐ Yes ☐ No ☐ Unsure %

Social trails? ☐ Yes ☐ No ☐ Unsure %

Campsite? ☐ Yes ☐ No ☐ Unsure %

Plant collection? ☐ Yes ☐ No ☐ Unsure %

New development? ☐ Yes ☐ No ☐ Unsure %

Other (please describe) and disturbance specific comments:

All of the orchids observed grow adjacent to the AT, many in the leaf litter accumulating in the inner edge of the sidehill, a few a foot or less from the beaten path of the treadway. Fortunately, traffic is light at the time when the orchid is growing at the plant is so delicate that few hikers would even notice it. I maintain this section of AT

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

I don't know what can be done about the pea family vines that are encroaching on orchid sites.

So I know where not to disturb areas adjacent to the treadway.

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

Time spent: 3 hrs. monitoring 3 hrs. Travel to Trailhead Hiking 2 hrs.

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

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Version 1.00

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, refer to the monitoring report and rare species occurrence map given to you during training. Fill out this form as directed in the AT Rare Plant Standard Operating Protocol (SOP) also given to you during training. If you see an urgent threat or disturbance to the rare plants, please contact your coordinator immediately!

Monitor name: Mark Stanley

Visit date: 6/19/10

Email or phone: 276-236-4528

Site name: Pisgah Creek

Common name: Pirate bush

Site number: UA 66

Scientific name: Buckleya distichophylla

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.

NPS GPS Unit: #

Coordinate system/Datum:

Decimal degrees/
NAD83

OR

For small occurrences (<1000 ft² or < 50 ft long):

For larger occurrences:

GPS coordinates: X	Y	GPS N or top:	X 37° 11.074 Y 80° 53.983
GPS accuracy:	ft or m	GPS E:	X 37° 10.986 Y 80° 53.910
Area covered by rare species		GPS S or bottom:	X 37° 10.614 Y 80° 54.501
Length:	ft or m	GPS W:	X 37° 10.614 Y 80° 54.501
Width:	ft or m	GPS accuracy:	11 ft or m

Rare Plant Info

Count unit: ☐ stem OR ☒ clump OR ☐ rosette

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

Plant count: 40

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

Count time: 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:

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 51-95 % 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 Oak
Hemlock

Shrubs (up to 3):

Rhododendron
witch hazel

Understory (up to 5):

None

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

autumn olive

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
Browsing: None Trace Some Most
Insect damage or disease: None Trace Some Most
Competition/succession: None Trace Some Most
Drought? ☐ Yes ☒ No ☐ Unsure
Erosion? ☐ Yes ☒ No ☐ Unsure

Trail maintenance? ☐ Yes ☒ No ☐ Unsure
ATV tracks? ☐ Yes ☒ No ☐ Unsure
Social trails? ☒ Yes ☐ No ☐ Unsure
Campsite? ☐ Yes ☒ No ☐ Unsure
Plant collection? ☐ Yes ☒ No ☐ Unsure
New development? ☐ Yes ☒ No ☐ Unsure

Other disturbance (please describe) and disturbance specific comments, if any:

Right-of-way maintenance has eliminated most of the robust reproducing clumps along the road.

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

extensive shading from forest succession.

Photo Log

Photo Number	Feature Photographed (eg, flower, juvenile, unknown, insect)	Location and Direction of Photo (eg, from center of colony looking North)
1	leaves only	along road
2		
3		
4		

Time spent: 2 hr. Monitoring 2 hr. Travel to Trailhead 10 min Hiking to occurrence

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

Thank you for your help!

extended 11/17/2014

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Version 1.00

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, refer to the monitoring report and rare species occurrence map given to you during training. Fill out this form as directed in the AT Rare Plant Standard Operating Protocol (SOP) also given to you during training. If you see an urgent threat or disturbance to the rare plants, please contact your coordinator immediately!

Monitor name: Mark Stanley

Visit date: 9, 19, 10

Email or phone: 276-236-4528

Site name: Pine Mtn.

Common name: Roan Rattlesnake root

Site number: UA-67

Scientific name: Prevanthes roanensis

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.

NPS GPS Unit: # _____

Coordinate system/Datum: _____

Decimal degrees/
NAD83

OR _____

For small occurrences (<1000 ft² or < 50 ft long):

For larger occurrences:

GPS coordinates: X Y	GPS N or top: X <u>81°30.383</u> Y <u>36°41.792</u>
GPS accuracy: ft or m	GPS E: X Y
Area covered by rare species	GPS S or bottom: X <u>81°30.342</u> Y <u>36°40.729</u>
Length: ft or m	GPS W: X Y
Width: ft or m	GPS accuracy: <u>12</u> ft or m

linear distribution on 3 1/2 miles of the AT

Rare Plant Info

Count unit: ☒ stem OR ☐ clump OR ☐ rosette

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

Plant count: 46

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

Count time: 3 hrs. 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:

stable

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 51-95 % 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):

black birch
red oak

Shrubs (up to 3):

striped maple
beech
viburnum

Understory (up to 5):

dryopteris intermedia
hay scented fern

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

Browsing: None Trace Some Most

Insect damage or disease: None Trace Some Most

Competition/succession: None Trace Some Most

Drought? ☐ Yes ☒ No ☐ Unsure

Erosion? ☐ Yes ☒ No ☐ Unsure

Other disturbance
(please describe)
and disturbance
specific
comments, if any:

Trail maintenance? ☐ Yes ☒ No ☐ Unsure

ATV tracks? ☐ Yes ☒ No ☐ Unsure

Social trails? ☐ Yes ☒ No ☐ Unsure

Campsite? ☐ Yes ☒ No ☐ Unsure

Plant collection? ☐ Yes ☒ No ☐ Unsure

New development? ☐ Yes ☒ No ☐ Unsure

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

Photo Log

Photo Number	Feature Photographed (eg, flower, juvenile, unknown, insect)	Location and Direction of Photo (eg, from center of colony looking North)
1	<u>none this year</u>	
2		
3		
4		

Time spent:

3 hr

Monitoring

2 1/4 hr

Travel to
Trailhead

0

Hiking to
occurrence

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

Thank you for your help!

Entered 11/17/2011
fnd

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Version 1.00

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, refer to the monitoring report and rare species occurrence map given to you during training. Fill out this form as directed in the AT Rare Plant Standard Operating Protocol (SOP) also given to you during training. If you see an urgent threat or disturbance to the rare plants, please contact your coordinator immediately!

Monitor name: Mark Stanley Visit date: 8 125 1 10
 Email or phone: 276-236-4528 Site name: Mt. Rogers
 Common name: St. Johns wort Site number: UA-69
 Scientific name: Hypericum mitchellianum
 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.

NPS GPS Unit: # _____ Coordinate system/Datum: Decimal degrees/ NAD83 OR _____

For small occurrences (<1000 ft² or < 50 ft long):

GPS coordinates:	X	Y
GPS accuracy:	ft or m	
Area covered by rare species		
Length:	ft or m	
Width:	ft or m	

For larger occurrences:

GPS N or top:	X <u>81°31.335</u> Y <u>36°39.471</u>
GPS E:	X <u>80°53.983</u> Y <u>37°11.074</u>
GPS S or bottom:	X <u>80°53.983</u> Y <u>37°11.074</u>
GPS W:	X <u>81°31.335</u> Y <u>36°39.471</u>
GPS accuracy:	<u>10</u> ft or m

linear distribution along trail

Rare Plant Info

Count unit: ☐ stem OR ☒ clump OR ☐ rosette

Plant count: 146

Count time: 1 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:

dry

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 51-95 % 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):

fraser fir
red spruce

Shrubs (up to 3):

Vaccinium sp.
Rhododendron

Understory (up to 5):

Rubus sp.
Solidago spp.
Dianthus congressa

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

Browsing: None Trace Some Most

Insect damage or disease: None Trace Some Most

Competition/succession: None Trace Some Most

Drought? ☐ Yes ☒ No ☐ Unsure

Erosion? ☐ Yes ☒ No ☐ Unsure

Other disturbance
(please describe)
and disturbance
specific
comments, if any:

Trail maintenance? ☐ Yes ☐ No ☒ Unsure

ATV tracks? ☐ Yes ☒ No ☐ Unsure

Social trails? ☐ Yes ☒ No ☐ Unsure

Campsite? ☐ Yes ☒ No ☐ Unsure

Plant collection? ☐ Yes ☒ No ☐ Unsure

New development? ☐ Yes ☒ No ☐ Unsure

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

one small population gone due to trampling.

Photo Log

Photo Number	Feature Photographed (eg, flower, juvenile, unknown, insect)	Location and Direction of Photo (eg, from center of colony looking North)
1	flower/fruit	81°31.173 36°39.299 middle of
2		largest subpopulation
3		
4		

Time spent: 2 hr Monitoring 3 hr Travel to Trailhead 30 mi Hiking to occurrence

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

Thank you for your help!

APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Version 1.00

entrail 11/17/2011

Please avoid trampling rare plants and the site in general. Remain as still as possible and step carefully. During your visit, refer to the monitoring report and rare species occurrence map given to you during training. Fill out this form as directed in the AT Rare Plant Standard Operating Protocol (SOP) also given to you during training. If you see an urgent threat or disturbance to the rare plants, please contact your coordinator immediately!

Monitor name: Mark Stanley Visit date: 5/30/10
 Email or phone: 276-236-4528 Site name: Mt. Rogers
 Common name: bittercress Site number: UA-69
 Scientific name: Cardamine clematifitis
 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.

NPS GPS Unit: # _____ Coordinate system/Datum: Decimal degrees/ NAD83 OR _____

For small occurrences (<1000 ft² or < 50 ft long):

For larger occurrences:

GPS coordinates: X Y	GPS N or top: <u>X81°34.273 Y36°39.415</u>
GPS accuracy: ft or m	GPS E: <u>X81°34.263 Y36°39.412</u>
Area covered by rare species	GPS S or bottom: <u>X81°34.360 Y36°39.324</u>
Length: ft or m	GPS W: <u>X81°34.362 Y36°39.339</u>
Width: ft or m	GPS accuracy: <u>15</u> ft or m

Rare Plant Info

Count unit: ☒ stem OR ☐ clump OR ☐ rosette

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

Plant count: 80

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

Count time: 1 hr. 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?

Excellent

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

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 51-95 % 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):

sugar maple
yellow birch

Shrubs (up to 3):

viburnum

Understory (up to 5):

ferns
trillium spp.

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

Browsing: None Trace Some Most

Insect damage or disease: None Trace Some Most

Competition/succession: None Trace Some Most

Drought? ☐ Yes ☒ No ☐ Unsure

Erosion? ☐ Yes ☒ No ☐ Unsure

Trail maintenance? ☒ Yes ☐ No ☐ Unsure

ATV tracks? ☐ Yes ☒ No ☐ Unsure

Social trails? ☐ Yes ☒ No ☐ Unsure

Campsite? ☒ Yes ☒ No ☐ Unsure

Plant collection? ☐ Yes ☒ No ☐ Unsure

New development? ☐ Yes ☒ No ☐ Unsure

Other disturbance (please describe) and disturbance specific comments, if any:

a few are in the treadway

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

Photo Log

Photo Number	Feature Photographed (eg, flower, juvenile, unknown, insect)	Location and Direction of Photo (eg, from center of colony looking North)
1	fruiting	along treadway, center of distribution
2		
3		
4		

Time spent: 1 hour Monitoring 1 1/2 hr Travel to Trailhead 15 min Hiking to occurrence

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

Thank you for your help!

2007

APPALACHIAN TRAIL Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: <u>Tim Fortune</u>		Site Name: <u>Moxie Bald Mountain</u>	
Reporting 1 hr Volunteer Hours	monitoring: <u>6 hrs</u> travel time: <u>6.5 hrs</u>	Site Number: (ex. VA-70) <u>Me 27</u>	
Date of Visit: (ex. 06/22/2003) <u>07 / 16 / 2010</u>		Town/Township: <u>Bald Mountain Twp.</u>	
For each Rare Species found, please complete the following information:			
Scientific Name: (if known) <u>Mimastia glabra</u>		Common Name: <u>Smooth Sandwort</u>	
GPS Location of Rare Species (optional): X =		Y =	Datum: (ex. NAD27)
NAD27 decimal degrees preferred			
Was the timing of your visit <u>Too Early</u> to identify and count the rare plant? <u>Too Late?</u> <u>Good timing</u>			
Stage of Plant Development: (circle or give %)	in flower <u>50</u> %	in fruit/seed %	vegetation only <u>50</u> %
How confident are you that you correctly identified the species? <u>Very</u>			
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 <u>Very good numbers compared to previous years</u> 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)	<u>Excellent</u>	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)	<u>Improved</u>	Stable	Declining First visit
Do you see any evidence of human activity at the site? <u>Yes</u> No			
(circle all that apply)	<u>Trampling</u>	Camp Site	Trail Maintenance Collection ATV
Other:			
Were there any other threats to the site? Yes <u>No</u> (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?			
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? <u>Yes</u> 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: <u>ATC New England Regional Office, PO Box 312, Lyme, NH 03768</u>			

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: _____
 Email or phone: catalano.cosmo@gmail.com Site name: Paull Brook
 Common name: Large Flowered Bellwort Site number: MA-6
 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):

GPS coordinates:	<u>X</u>	<u>Y</u>
GPS accuracy:	_____ ft or m	
Area covered by rare species		
N-S:	_____ ft or m	
E-W:	_____ ft or m	

For larger occurrences:

GPS N or top:	<u>X</u>	<u>Y</u>
GPS E:	<u>X</u>	<u>Y</u>
GPS S or bottom:	<u>X</u>	<u>Y</u>
GPS W:	<u>X</u>	<u>Y</u>

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 % Vegetative: 100
 Plant count: 2 stems % Flowering: 0
 Count time: 1 minutes % Fruiting: 0
 OR Estimate: 251-500 501-1000 >1000 % Senescent: 0
 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

Vegetation is in good condition and appears healthy. No flowers or buds observed.

Associated Site Condition (Circle one)

(Estimate amount of light reaching rare plants)

Water on site: Moist

Sunlight:
10%

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):

None

Jack in the Pulpit,
Soloman Seal,
False Soloman Seal

Ash, Oak

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: Trace—from deer

Browsing: None

Insect damage or
disease: None

Competition/
succession:

Drought? ☐ Yes ☒ No ☐ Unsure %__

Erosion? ☐ Yes ☐ No ☒ Unsure %5__

Other (please
describe) and
disturbance
specific
comments:

Trail
maintenance? ☐ Yes ☒ No ☐ Unsure %__

ATV tracks? ☐ Yes ☒ No ☐ Unsure %__

Social trails? ☐ Yes ☒ No ☐ Unsure %__

Campsite? ☐ Yes ☒ No ☐ Unsure %__

Plant
collection? ☐ Yes ☒ No ☐ Unsure %__

New
development? ☐ Yes ☒ No ☐ Unsure %__

One deer hoofmark within 12" of plant. Some evidence of water flowing down hillside—enough to carry away fallen leaves and duff.

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: 0.25 monitoring 0.25 Travel to Trailhead 0.5 Hiking

Thank you for your help!