

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):

tulip poplar
beech
oak
maple

Shrubs (up to 3):

spice bush

Understory (up to 5):

skunk cabbage
may apples
jack in the pulpit
columbine
christmas fern

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: 45 min Monitoring 1.5 hrs Travel to Trailhead .5 hr 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

Monitor name:	<u>Charley Banks</u>	Visit date:	<u>07/23,</u> /2011
Email or phone:	<u>Charley.banks@dcv.virginia.gov</u>	Site name:	<u>Greenstone Overlook</u>
Common name:	<u>Marsh mahly</u>	Site number:	<u>VA-39</u>
Scientific name:	<u>Muhlenbergia glomerata</u>		
Found?	☒ Yes ☐ No ☐ Unsure		

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
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For larger occurrences:

Rare Plant Info

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

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

Excellent

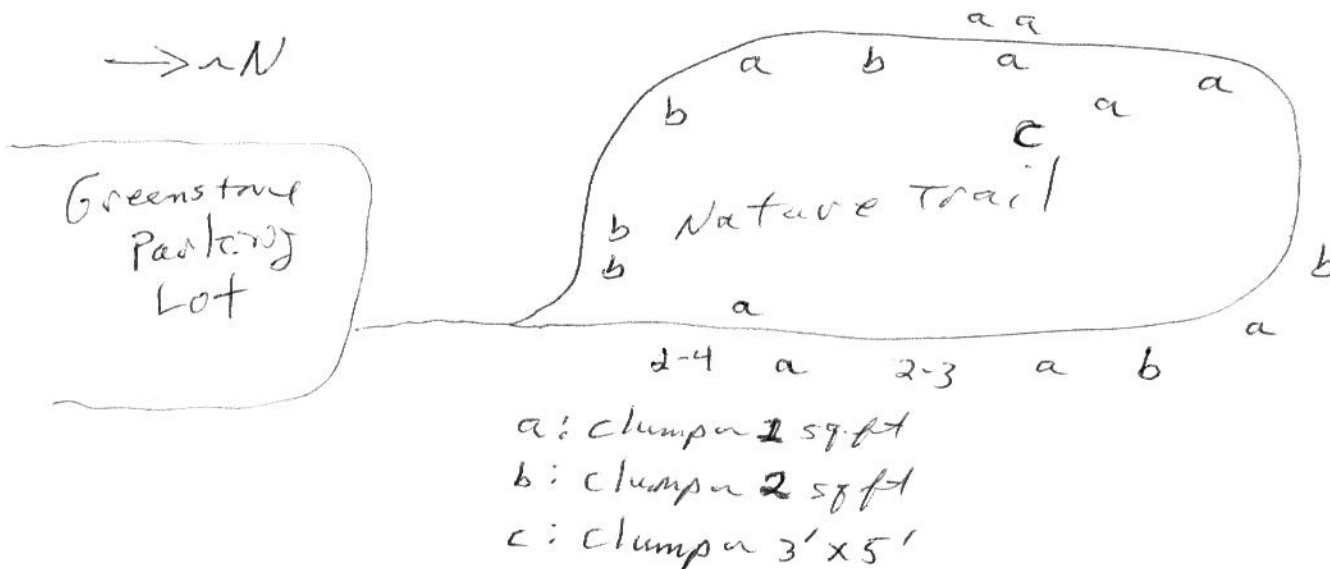
Average

Poor

Unsure

(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):

Hickory
pine

Heaths

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

it appears that the center areas of the loop trail may be occasionally used as short-term campsite.

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

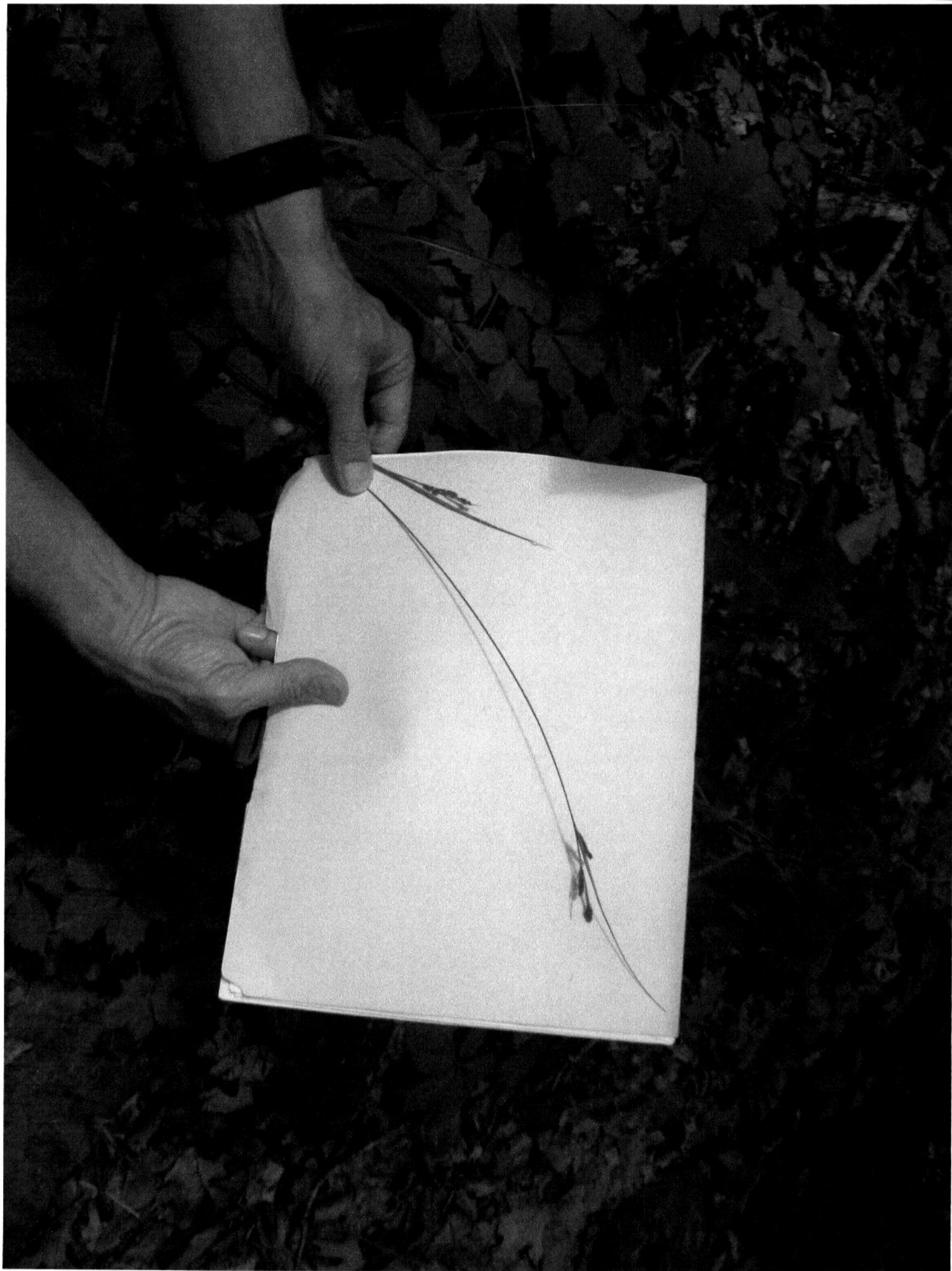
Photo Log

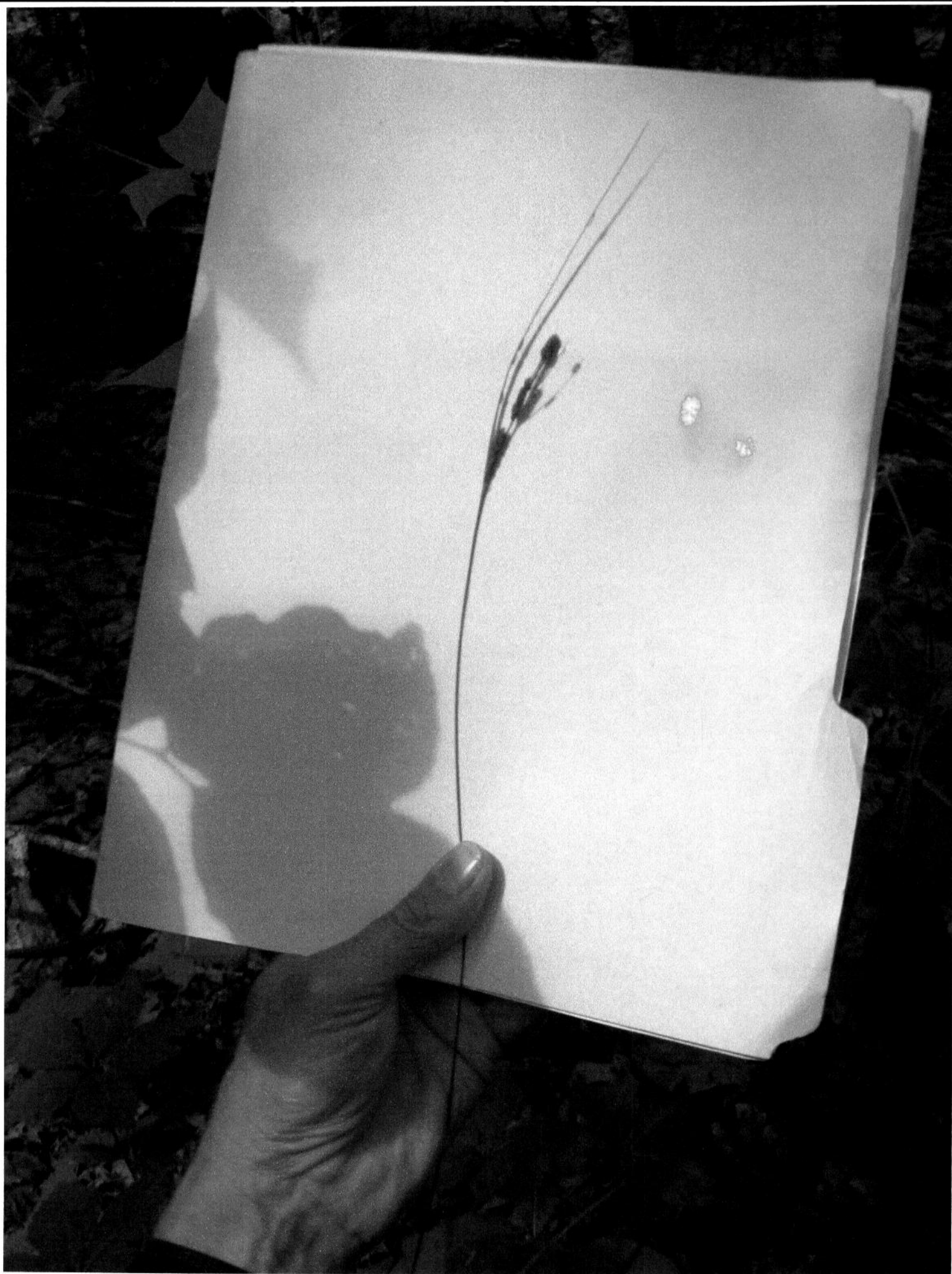
Photo Number	Feature Photographed (eg, flower, juvenile, unknown, insect)	Location and Direction of Photo (eg, from center of colony looking North)
1		
2		
3		
4		

Time spent: 1 hr. Monitoring 1.5 hr Travel to Trailhead 5 min Hiking to occurrence

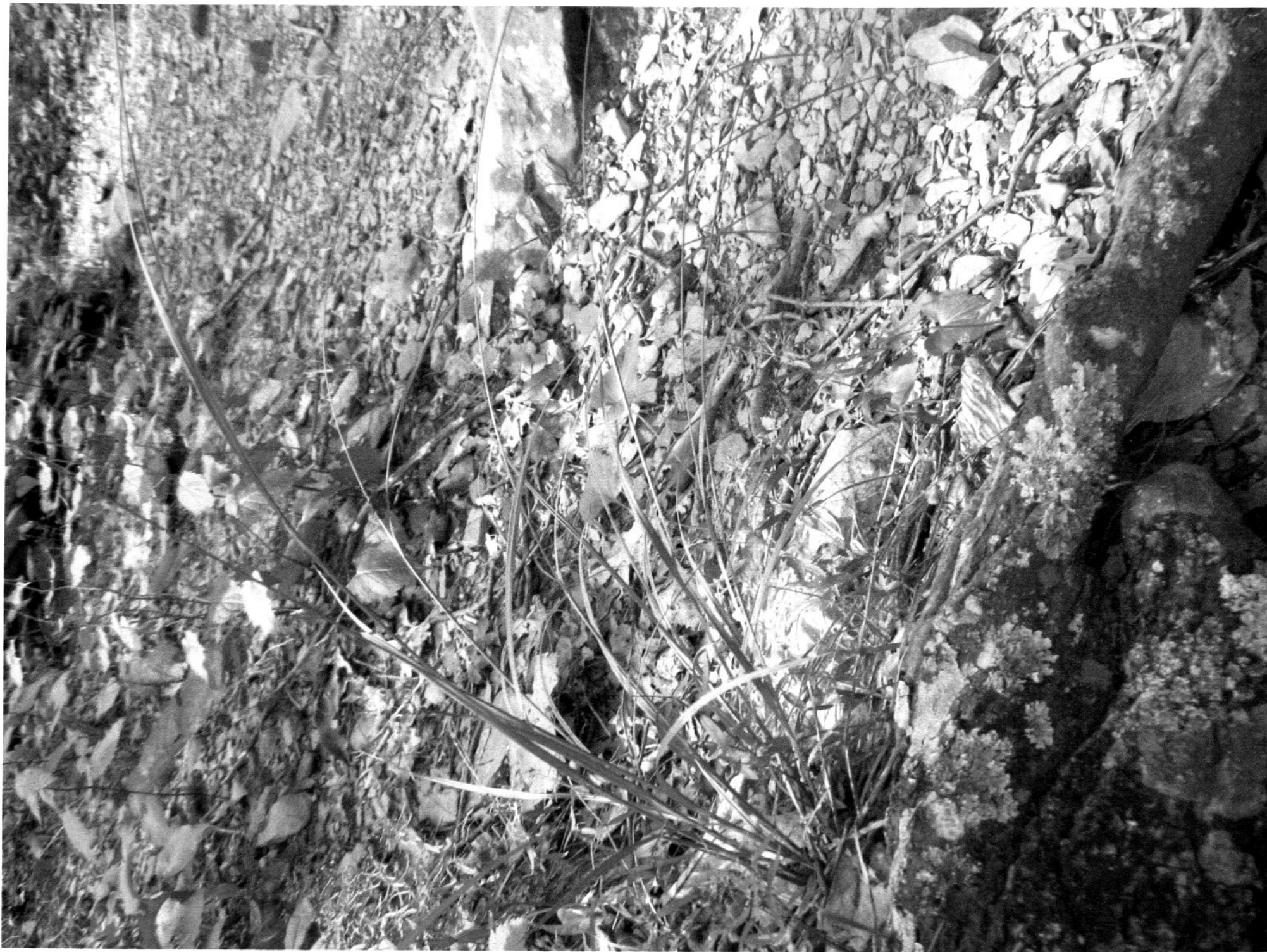
Please submit completed form to your monitoring coordinator within 3 weeks of your visit.

Thank you for your help!















APPALACHIAN TRAIL Rare Plant Monitoring Dataform, Version 1.00

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: Peggy L. Combs Visit date: 2 / 20 / 11
 Email or phone: (804) 358-4951 Site name: Humpback Mountain
 Common name: Submesotrophic Scrub Site number: Va. Site #38
 Scientific name: —
 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	Y
GPS accuracy: ft or m		GPS E: X	Y
Area covered by rare species		GPS S or bottom: X	Y
Length: ft or m		GPS W: X	Y
Width: ft or m		GPS accuracy: ft or m	

Rare Plant Info

Count unit: ☐ stem OR ☐ clump OR ☐ rosette

Plant count:

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)

(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): NA 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.

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:

OK

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

Site is OK.

Photo Log

none

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: 4 hrs TOTAL Monitoring 1 hr Travel to Trailhead 2 hrs Hiking to occurrence 1 hr

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

Thank you for your help!

entered 11/17/2011
fwd

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Monitor name: Laura Neale Visit date: August 20 2010
Email or phone: lneale@rockbridge.net Site name: Spy Rock
Common name: Three-toothed Cinguefoil Site number: VA-47
Scientific name: Sibbaldiopsis tridentata
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>31 49.564</u> Y <u>79 07.308</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> </u> ft or m	GPS W: X <u> </u> Y <u> </u>
Width: <u> </u> ft or m	GPS accuracy: <u> </u> ft or m

Rare Plant Info

Count unit: ☐ stem OR ☐ clump OR ☒ rosette

% Vegetative: ☐ 00 ☐ 1-5 ☐ 6-25 ☐ 26-50 ☒ 51-100

Plant count: 50

% Flowering: ☐ 00 ☐ 1-5 ☐ 6-25 ☐ 26-50 ☐ 51-100

Count time: minutes

% Fruiting: ☐ 00 ☒ 1-5 ☐ 6-25 ☐ 26-50 ☐ 51-100

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

% Senescent: ☐ 00 ☐ 1-5 ☐ 6-25 ☐ 26-50 ☐ 51-100

OR %Cover: ☐ 00 ☐ 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

Original colonized area gravelly with a washed out depression

☒ 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):

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	2599 - 2602	
2		
3		
4		

Time spent: _____ Monitoring _____ Travel to Trailhead _____ 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

added 11/17/2011
fmd

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Monitor name: Norman & Jinx Sykora
 Email or phone: njsykora80@gmail.com
 Common name: Great Indian Plantain
 Scientific name: Calceola Muehlenbergii
 Found? ☒ Yes ☐ No ☐ Unsure

Visit date: 8/9/11
 Site name: Cold Mt.
 Site number: 49

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	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: 13

Count time: 60 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 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):

Hickory
Oak
Maple

Shrubs (up to 3):

Wintergreen

Understory (up to 5):

Black Cohosh
Blue Cohosh
Tall Bellflower
Bottlebrush Grass

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:

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

1 Basal leaf plants
2 Flowering 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	Basal leaf plant	Individual plant near center of colony
2	Leaves of flowering plant	Near AT
3	Seed heads	" "
4		

Time spent: 60 min. Monitoring 45 min. 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!

entered 9/16/2011 for

8/15/11 - Emailed to C. Reese w/ photo.

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: Eleanor Grasselli and Cecelia Mathis Visit date: 7/22/2011
Email or phone: emdg@embarqmail.com; weer@skybest.com Site name: SR600 at FSR89
Common name: Great Indian Plantain Site number: VA-70
Scientific name: *Cacalia 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: # 72 coord/datum: Decimal degrees

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

GPS coordinates:	X N36.62999	Y W081.68656
GPS accuracy:	ft or m	
Area covered by rare species		
N-S:	20 ft	ft or m
E-W:	20 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
= 400sq ft		

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:	About 125	% Flowering:	0 1-5 6-25 26-50 51-100
Count time:	30 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:

A wonderful display of tall plants with full blossoms!

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)

Cow parsnips with faded blossoms

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

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:

Early in the summer I was disappointed by the drastic mowing, which ruined the usual display of cow parsnip at the intersection of SR600 and FSR 89 across SR600 from where the Great Indian Plantain was standing behind the guard rail and on down hill.

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

Cecelia noticed this stand of Great Indian Plantain as she drove up from US58. The photograph was presented by her.

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

Time spent: 30' monitoring See other GIP 7/22/2011 Travel to Trailhead -0- 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