Report on the Identifications of the Corticolous Macrolichen Species Collected in the James River Face Wilderness Area and in the Mount Rogers National Recreation Area of Jefferson National Forest, Virginia

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Subject: Report on my identification work on the 1994 corticolous macrolichen collections made in the James River Face Wilderness Area and in the Mount Rogers National Recreation Area of the Jefferson National Forest, Virginia.

The following is my final report on the identifications of the corticolous macrolichens collected in 1994 in the James River Face Wilderness Area and the Mount Rogers National Recreation Area of the Jefferson National Forest, Virginia. The purpose of the lichen collection study was to develop an understanding of the diversity of the corticolous fruticose and foliose lichen flora of the Jefferson National Forest and to train Forest Service personnel to discriminate between different lichen species. The information which follows will be used by the air resources management program to better document the impacts of air pollutants on forest ecosystems of the Jefferson National Forest.

SUMMARY

One hundred-three fruticose and foliose lichen species were collected in the 20 plots sampled in this 1994 study of corticolous macrolichens in the Jefferson National Forest. Sixty-six species were identified from the 10 plots sampled in the James River Face Wilderness Area, and 76 species were collected from the 10 plots sampled in the Mount Rogers National Recreation Area. The presence of both pollution-sensitive and pollution-tolerant species in both study areas suggests that the lichens of these two study areas are not being adversely affected by atmospheric pollutants at the present time. This report includes comments about the methods of the study, the results, a discussion of the results and a listing of the literature cited. The Appendices A and B contain the data sheets for each plot including the specimen identifications, the abundance estimate with each collection, the over-all abundance code assigned to each species for each plot, the plot packing slips (copies) for each plot, and finally an example specimen label for each plot. Ninety-three voucher specimens will be sent separately.

METHODS

The methodology used in the current study follows that adopted for the study of lichen communities for the national Forest Health Monitoring (FHM) Program (McCune et. al., 1994):

> Lichen communities are assessed in FHM by determining the presence and abundance of macrolichen species on trees in each plot (120-foot radius core of the plot). The field crew collects samples for mailing to the lichen expert. The field methods are described in detail in the 1993 Field Methods Guide (McCune and Dey, 1992). The procedures of the lichen expert are in McCune (1992a).
>
> The method has two parts that are performed simultaneously. (1) Limited to a maximum of two hours in each plot, the field crew collects specimens for identification by a specialist, the collection representing the species diversity of macrolichens in the plot as fully as possible. The population being sampled consists of all macrolichens occurring on woody plants, excluding the 0.5 m basal portions of trees and shrubs. (2) The field crew estimates the abundance of each species using a four-step scale (McCune and Dey, 1992). Note that the field crew does not need not accurately assign species names to the lichens (that will be done later by the specialist), but must be able to distinguish among species.

In the current study, Jonathan P. Dey served as the lichen specialist who identified the macrolichens collected by the two fields crews. Kenneth Hickman and Thomas Blevins, the field crew members responsible for collecting the macrolichen specimens in the James River Face Wilderness Area and in Mount Rogers National Recreation Area respectively, attended a week-long pre-field season FHM training session on lichens led by Dey in Asheville, NC. Both were tested and certified as qualified to collect specimens using the quality control standards of the FHM program (McCune, 1992b).

All field work was done in the summer of 1994 in the James River Face Wilderness Area and in the Mount Rogers National Recreation Area of Jefferson National Forest. A total of twenty plots were sampled--ten in each area. See Tables 1 and 2 for site information for each plot. Following the identification of the collections, a voucher specimen of each species was prepared, if suitable sized thallus piece or pieces of the species was/were available, and deposited in the herbarium of Jefferson National Forest, Roanoke, Virginia.

RESULTS

Species Diversity and Abundance

Sixty-six corticolous macrolichen species were collected in James River Face Wilderness Area and 76 species were collected in the Mount Rogers National Recreation Area (species lists by plot are given in Tables 3 and 4). Fourteen species in each area respectively were found in 5 or more of the 10 plots sampled in the area (Table 5). Only five species are common to both lists. Of the 14 species occurring in five or more James River Face plots, only one species, *Myelochroa aurulenta*, was not also collected in the Mount Rogers plots. In contrast, of the 14 species occurring in five or more Mount Rogers plots, six species--*Hypogymnia physodes, Parmotrema crinitum, Cetrelia chicitae, Melanelia halei, Usnea subfloridana* and *Platismatia tuckermanii*--were not collected in the James River Face plots. In fact, of the 66 species collected in the James River Face plots, 27 species were not collected in the Mount Rogers plots. Of the 76 species collected in the Mount Rogers plots, 37 species were not collected in the James River Face plots. Thirty-nine species were collected both in James River Face and Mount Rogers plots. One hundred-three corticolous macrolichen species were collected from the combined plots of both areas. Vouchers of 93 species were deposited in the herbarium of Jefferson National Forest, Roanoke, Virginia.

The number of species collected per plot varied from plot to plot within each larger study area (Tables 3 & 4). Rain cut short the sampling time spent on plot #10 of the James River Face area and on plot #4 of the Mount Rogers area. Fog occurred during the latter part of the sampling period on plot #5 of the Mount Rogers area.

Lichens known to be especially sensitive or insensitive to pollution were found in both the James River Face and the Mount Rogers areas (Table 6).

The abundance of each species in each plot are given in Appendices A & B. (Abundance information combined with species diversity can be used to calculate synthetic lichen community scores on air quality and on climatic gradients, but this was not done in the current study.)

DISCUSSION

The lichen communities of the James River Face Wilderness and the Mount Rogers National Recreation Areas of Virginia are very diverse. The total of 103 corticolous macrolichen species found in the 20 plots of the combined areas in this study exceeds the 94 species found in 19 plots scattered throughout the southern Appalachian Mountains (Virginia-to-Georgia) during 1993 FHM summer sampling (McCune et. al., 1994). Dey (1984) reported 119 macrolichen species growing on trees in the high-mountain areas above 5,500 ft in the southern Appalachians. Mason Hale conducted a floristic survey of lichen communities of the Otter Creek and the Dolly Sods Wilderness Areas of West Virginia as part of a study using lichens as indicators of atmospheric quality (Lawery & Hale, 1988). Hale collected both microlichen (crustose forms) and macrolichen (fruticose and foliose forms) species from all available substrates--such as rocks, soil, wood and trees--from five areas (not FHM type plots) in each wilderness area. Of the 48 species reported from Otter Creek only 28 species were corticolous macrolichens, and of the 63 species reported from Dolly Sods only 33 species were corticolous macrolichens. Thus, the forest communities of the James River Face Wilderness and the Mount Rogers National Recreation Areas of Virginia appear to support a more diverse corticolous macrolichen flora than the forest communities sampled by Hale in West Virginia.

The variation in numbers of species collected from plot-to-plot in both areas are not unexpected due to differences in forest communities, including differences in woody species composition and forest structure, and microclimates at each site. The rains which caused termination of sampling after one hour on plot #10 of the James River Face area and after one hour-eight minutes on plot #4 of the Mount Rogers area probably affected the number of species detected in each plot respectively. The fog that occurred during the later stage of collecting on plot #5 in the Mount Rogers area may have affected the final species total for the plot because the fog would have hindered the ability of the collector to discriminate between species and to recognize species which had not yet been collected.

The occurrence of both pollution-tolerant and pollution-sensitive corticolous macrolichens throughout both the James River Face Wilderness Area and the Mount Rogers National Recreation Area suggests that the lichens of these two study areas are not adversely affected by atmospheric pollutants at the present time. The differences in total lichen species numbers (more at Mount Rogers) and in species compositions (27 species found only in James River Face plots and 37 species found only in Mount Rogers plots) between the study areas are probably related to direct and indirect effects of the topographical/elevational differences

between the two areas. Lichens distributions can be affected by both by differences in substrate trees availability for corticolous lichens in the differing forest community types and by differences in local microclimates. The James River Face Wilderness Area plots ranged in elevation from 1,020 ft. to 3,073 ft with all plots except one on Highcock Knob at elevations at or below 2,560 ft. The Mount Roger National Recreation Area plots ranged in elevation from 3,560 ft to 5,540 ft with seven of the ten plots above 4,150 ft. The Mount Rogers study area is higher in elevation, supports both a northern hardwoods forest and spruce-fir forest in addition to low-to-mid elevation hardwoods forests also found in the James River Face Wilderness Area, and is cooler in all seasons and moister with higher rainfall totals, more snow, and frequent fogs compared to the James River Face area. Many of the species unique to the Mount Rogers National Recreation Area plots in this study, such as *Cetrelia chicitae, C. olivetorum, Everniastrum catawbiense, Hypogymnia krogiae, H. physodes, Hypotrachyna croceopustulata, H. revoluta, Melanelia halei, Menegazzia terebrata, Parmelia sulcata, Platismatia tuckermanii* and *Pseudevernia cladonia,* are species with northern distributional ranges with extensions southward in the southern Appalachian Mountains only at mid-to-high elevations. On the other hand, some of the species, such as *Cladonia macilenta, C. squamosa, Heterodermia casarettiana, H. leucomelos, Parmotrema crinitum, P. perlata* and *Physcia aipolia*, reported only from plots in the Mount Rogers National Recreation Area in this study are known to occur also at low-to-mid elevation sites elsewhere in the southern Appalachians so we would not have been surprised to see them in the James River Face Wilderness Area. Similarly but in a converse fashion, many of the species unique to the James River Face Wilderness Area plots in this study, such as *Anzia colpodes, Candelaria concolor, Cladonia cristatella, Coccocarpia palmicola, Collema nigrescens, Leptogium corticola, Myelochroa aurulenta* and *Parmotrema stuppeum,* are also known to occur in high-elevation forest communities at other sites in the southern Appalachians so we would not have been surprised to see them in the Mount Rogers National Recreation Area plots as well. Even without the latter observations, the fact that 39 corticolous macrolichen species (59% of the James River flora and 51% of the Mount Rogers flora) are found in both study areas indicates that the bulk of the lichen floras of the two areas is part of a larger homogenous flora characteristic low-to-mid elevation hardwood forests of the southern Appalachian Mountains. The only distinctive element in the lichen floras of either of the two study areas is the group of northern species present only in the Mount Rogers area flora which are characteristically found only in higher elevation hardwood and spruce-fir forests in the southern Appalachians.

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Table 1.

Collecting Sites in James River Face Wilderness Area

Plot number	State	County	Elevation	
James River FWA Plot No. 1	VIRGINIA.	ROCKBRIDGE CO.:	Elevation 1,440 ft	Gunter Ridge Trail (FS No. 8), approx. 0.55 mi E from the end of FS Road 3015 and above Little Hellgate Creek. Chestnut oak/scarlet oak community. Site is approx. 2.5 mi SE of Glenwood Ranger Station.
James River FWA Plot No. 10	VIRGINIA.	ROCKBRIDGE CO.:	Elevation 2,360 ft	Appalachian Trail, approx. 200 ft N of Marble Spring and 0.6 mi N/NE of Hichcock Knob. Forest of chestnut oak and hickory. Site is approx. 5.5 mi S/SE of Glenwood Ranger Station.
James River FWA Plot No. 2	VIRGINIA.	ROCKBRIDGE CO.:	Elevation 1,600 ft	Balcony Falls Trail (FS No. 7) approaching ridge top. Chestnut oak, scarlet oak, hickory forest. Site is near Rockbridge County & Bedford County line approx. 3.5 mi E/SE of Glenwood Ranger Station.
James River FWA Plot No. 3	VIRGINIA.	BEDFORD CO.:	Elevation 1,200 ft	Appalachian Trail (No.1) on ridge above the James River approximately 0.75 mi SE of Matts Creek Shelter. Site is approx. 6.4 mi E/SE of Glenwood Ranger Station.
James River FWA Plot No. 4	VIRGINIA.	BEDFORD CO.:	Elevation 1,020 ft	Appalachian Trail (No.1) on ridge above the James River approximately 1.1 mi SE of Matts Creek Shelter. Site is approx. 6.7 mi E/SE of Glenwood Ranger Station.
James River FWA Plot No. 5	VIRGINIA.	ROCKBRIDGE CO.:	Elevation 3,073 ft	Highcock Knob summit on Appalachian Trail (No.1) north of the Blue Ridge Parkway. Hardwood forest. Site is approx. 5.7 mi S/SE of Glenwood Ranger Station.
James River FWA Plot No. 6	VIRGINIA.	ROCKBRIDGE CO.:	Elevation 2,560 ft	Appalachian Trail (No.1), 0.35 mi E/NE of Petites Gap and 0.7 mi W/SW of Highcock Knob, north of the Blue Ridge Parkway. Hardwood forest. Site is approx. 5.5 mi S/SE of Glenwood Ranger Station.
James River FWA Plot No. 7	VIRGINIA.	ROCKBRIDGE CO.:	Elevation 2,517 ft	Belfast Trail (No.9) NE of Devils Marbleyard at gap 0.6 mi W of junction with Appalachian Trail. Hardwood forest of chestnut oak, hickory and red maple. Site is approx. 3.8 mi S/SE of Glenwood Ranger Station.
James River FWA Plot No. 8	VIRGINIA.	ROCKBRIDGE CO.:	Elevation 1,800 ft	Belfast Creek along Belfast Trail (No.9) near Devils Marbleyard . Forest of chestnut oak, red oak and dead yellow pine. Site is approx. 3.7 mi S/SE of Glenwood Ranger Station.
James River FWA Plot No. 9	VIRGINIA.	ROCKBRIDGE CO.:	Elevation 1,240 ft	Belfast Creek along Belfast Trail (No.9) near western boundary of wilderness area. Forest of chestnut oak, scarlet oak, yellow pine and laurel. Site is approx. 3.7 mi S of Glenwood Ranger Station.

Table 2.

Collecting Sites in Mt. Rogers National Recreation Area

Plot number	State	County	Elevation
Mt. Rogers NRA Plot No. 1	VIRGINIA.	GRAYSON CO.:	Elevation 4,180 ft Approx. 1,100 ft E of the road switchback (at 4,200 ft contour on FS Road 613 S of VA Route 603 W of Troutdale). Site is downslope from Third Peak Trail (No. 4521) and is approx. 2.1 miles SW of Troutdale.
Mt. Rogers NRA Plot No. 10	VIRGINIA.	GRAYSON CO.:	Elevation 4,820 ft Cabin Creek, 1,000 ft S of its junction with Virginia Highland Trail (No. 337) and just N of Grayson Highlands State Park Boundary. Mixed spruce, fir & hardwood forest. Approx. 6.3 miles SW of Troutdale.
Mt. Rogers NRA Plot No. 2	VIRGINIA.	GRAYSON CO.:	Elevation 3,880 ft Pine Mountain Road (FS Road 613) approx. 800 ft north of junction with Highland Trail (No. 337), along Opossum Creek S of VA Route 603 W of Troutdale. Site is approximately 2.7 miles W/SW of Troutdale.
Mt. Rogers NRA Plot No. 3	VIRGINIA.	GRAYSON CO.:	Elevation 5,540 ft Mount Rogers, 1,200 ft E/SE of summit, on Mt. Rogers Spur Trail (No.4590) in the Lewis Fork Wilderness Area. Spruce/fir forest area. Site is approximately 6.5 miles west/southwest of Troutdale.
Mt. Rogers NRA Plot No. 4	VIRGINIA.	GRAYSON CO.:	Elevation 5,340 ft Approx. 0.75 mile S/SE of Mount Rogers summit on ridge to Pine Mountain & Cabin Ridge. Spruce/fir forest with yellow birch/maple. Site is near Appalachian Trail and approx. 6 miles W/SW of Troutdale.
Mt. Rogers NRA Plot No. 5	VIRGINIA.	SMYTH CO.:	Elevation 5,340 ft Whitetop Mountain, 1,000 ft W/NW of summit. Spruce forest with red spruce, yellow birch, mountain ash understory. Site is at end of FS Road 89 W of VA Route 600 and is approx. 10.6 miles W/SW of Troutdale.
Mt. Rogers NRA Plot No. 6	VIRGINIA.	GRAYSON CO.:	Elevation 4,920 ft Whitetop Mountain, 0.25 mi E of summit, SE slope above Whitetop Creek. Old northern hardwoods forest. Site is off of FS Road 89 W of VA Route 600 approx. 9.7 miles W/SW of Troutdale.
Mt. Rogers NRA Plot No. 7	VIRGINIA.	SMYTH CO.:	Elevation 4,420 ft Elk Garden, approx. 600 ft NW of VA Route 600 at its intersection with Appalachian Trail. Predominantly a sugar maple stand with some ash and yellow buckeye. Site is approx. 9 miles W/SW of Troutdale.
Mt. Rogers NRA Plot No. 8	VIRGINIA.	SMYTH CO.:	Elevation 3,800 ft Approx. 250 ft SE of FS Road FH17/VA Route 600--along 3,800 ft contour line S of Elk Garden Trail Head (No. 4537) and NE of Big Branch. Cove forest of hardwoods and hemlock. Approx. 9.2 miles W/SW of Troutdale.
Mt. Rogers NRA Plot No. 9	VIRGINIA.	GRAYSON CO.:	Elevation 3,560 ft Near Little Wilson Creek, 500 ft N of junction with Big Wilson Creek, below Bearpen Ridge in Little Wilson Creek Wilderness. Mixed oak forest with rhododendron understory. Approx. 4.8 miles S/SW of Troutdale.

Table 3. Corticolous macrolichen species list by plot in James River Face Wilderness Area, Jefferson National Forest, Virginia--1994. Lichens identified by J. Dey.

	Species name	Sp. code	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	Plot 10
1	Anaptychia palmulata	301					X		X			X
2	Anzia copodes	402				X						
3	Candelaria concolor	8301					X					
4	Canoparmelia caroliniana	802	X									X
5	Canoparmelia crozalsiana	803				X						
6	Canoparmelia texana	807			X							
7	Cetraria ciliaris	1006				X					X	
8	Cetraria oakesiana	1012	X	X	X	X	X		X	X	X	X
	Cetraria orbata	1013										
	Cetrelia chicitae	1102										
	Cetrelia olivetorum	1104										
	Cladonia sp.	1200										
	Cladonia bacillaris	1203										
9	Cladonia caespiticia	1207							X			
10	Cladonia chlorophaea s.l.	1210		X								
11	Cladonia coniocraea	1211	X	X		X					X	
12	Cladonia cristatella	1212							X			
13	Cladonia cylindrica	1214	X		X						X	
14	Cladonia didyma	1243				X				X	X	
	Cladonia floerkeana	1218										
	Cladonia furcata	1244										
	Cladonia macilenta	1225										
	Cladonia merochlorophaea	1227										
	Cladonia ochrochlora	1228										
	Cladonia squamosa	1236										
15	Coccocarpia palmicola	1304									X	
16	Collema nigrescens	1412									X	
	Evernlastrum catawbiense	2501										
17	Flavoparmelia caperata	2601	X	X	X	X	X	X	X		X	X
18	Flavopunctelia flaventior	2702						X				
	Heterodermia casarettiana	2804										
19	Heterodermia granulifera	2812				X						
20	Heterodermia hypoleuca	2813			X							
	Heterodermia leucomelos	2814										
21	Heterodermia obscurata	2816		X	X	X		X	X		X	
22	Heterodermia speciosa	2822									X	
23	Heterodermia squamulosa	2823										X
24	Hyperphyscia adglutinata	2901						X				
	Hypogymnia krogiae	3110										
	Hypogymnia physodes	3116										
	Hypotrac. croceopustulata	3201										
25	Hypotrachyna livida	3208			X	X					X	X
26	Hyptrachyna pustulifera	3215	X									
	Hypotrachyna revoluta	3216										
	Hypotrachyna showmanii	3218										
27	Imshaugia aleurites	3301	X	X						X		
28	Leptogium corticola	3609								X		
29	Lobaria pulmonaria	3905							X			
30	Lobaria quercizans	3906							X			
	Melanelia halei	4008										
	Menegazzia terebrata	4101										
31	Myelochroa aurulenta	4201			X	X	X	X		X	X	
32	Melochroa galbina	4202	X	X	X							
	Parmelia fertilis	4801										
33	Parmelia squarrosa	4805	X	X	X	X	X	X	X			X
	Parmelia sulcata	4806										

Table 3 (Continued). Corticolous macrolichens species list, James River Face Wilderness Area, Virginia-1994.

	Species name	Sp. code	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	Plot 10
34	Parmelinopsis sp.	5100	X						X			
35	Parmelinopsis horrescens	5101			X							
36	Parmelinopsis minarum	5102	X	X	X	X				X	X	
	Parmotrema arnoldii	5301										
	Parmotrema crinitum	5305										
	Parmotrema eurysacum	5310										
37	Parmotrema gardneri	5328									X	
38	Parmotrema hypotropum	5314	X	X	X	X					X	
39	Parmotrema margaritatum	5318					X		X	X		
40	Parmotrema perforatum	5323				X						X
	Parmotrema perlata	5303										
41	Parmotrema stuppeum	5329									X	
42	Parmotrema subsumptum	5330	X									
43	Phaeophyscia pusilloides	5613	X					X		X		
44	Phaeophyscia rubropulchra	5614		X	X	X	X	X	X	X	X	X
	Physcia sp.	5700										
	Physcia aipolia	5702										
45	Physcia americana	5704				X		X				
46	Physcia millegrana	5716		X	X	X	X	X	X			
47	Physcia neogaea	5718		X		X		X				
48	Physcia sorediosa	5722						X				
49	Physcia stellaris	5723	X				X	X		X		
	Platismatia tuckermannii	6106										
	Pseudevernia cladonia	6301										
50	Punctelia appalachensis	6701					X	X	X			
51	Punctelia missouriensis	6705		X	X					X		
	Punctelia reddenda	6707										
52	Punctelia rudecta	6708	X	X	X	X	X	X	X	X		X
53	Punctelia semansiana	6709	X	X								X
54	Punctelia subrudecta	6711	X	X		X					X	X
55	Pyxine caesiopruinosa	6803								X		
56	Pyxine sorediata	6808		X	X	X		X				X
57	Ramalina americana	6901			X					X	X	
	Ramalina intermedia	6901										
58	Rimelia cetrata	7101	X		X	X					X	
59	Rimelia reticulata	7104	X	X	X			X				X
	Umbilicaria mammulata											
60	Usnea ceratina	8014				X						
	Usnea confusa	8018										
61	Usnea cornuta	8019			X	X						
62	Usnea hesperina	8040									X	
63	Usnea mutabilis	8050		X	X	X						
64	Usnea rubicunda	8063	X	X	X	X			X	X	X	X
65	Usnea strigosa	8069	X		X				X	X		
	Usnea subfloridana	8072										
	Usnea subfusca	8073										
66	Usnea subscabrosa	8076	X						X			
	Total Species Per Plot		23	21	25	27	12	17	18	16	22	15

Table 4. Corticolous macrolichen species list by plot in Mt. Rogers National Recreation Area, Jefferson National Forest, Virginia--1994. Lichens identified by J. Dey

	Species name	Sp. code	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	Plot 10
1	Anaptychia palmulata	301						X	X	X		
	Anzia copodes	402										
	Candelaria concolor	8301										
	Canoparmelia caroliniana	802										
	Canoparmelia crozalsiana	803										
	Canoparmelia texana	807										
2	Cetraria ciliaris	1006	X									
3	Cetraria oakesiana	1012	X	X	X	X	X	X	X	X	X	X
4	Cetraria orbata	1013				X						X
5	Cetrelia chicitae	1102	X		X		X	X		X	X	
6	Cetrelia olivetorum	1104						X				
7	Cladonia sp.	1200	X									
8	Cladonia bacillaris	1203				X	X					
9	Cladonia caespiticia	1207		X					X	X		X
10	Cladonia chlorophaea s.l.	1210					X			X		
11	Cladonia coniocraea	1211	X		X							
	Cladonia cristatella	1212										
	Cladonia cylindrica	1214										
12	Cladonia didyma	1243	X						X		X	
13	Cladonia floerkeana	1218					X					
14	Cladonia furcata	1244					X		X			
15	Cladonia macilenta	1225			X				X			X
16	Cladonia merochlorophaea	1227			X	X						
17	Cladonia ochrochlora	1228			X	X						X
18	Cladonia squamosa	1236			X	X	X					
	Coccocarpia palmicola	1304										
	Collema nigrescens	1412										
19	Everniastrum catawbiense	2501						X				X
20	Flavoparmelia caperata	2601	X	X		X	X	X	X	X	X	X
21	Flavopunctelia flaventior	2702										X
22	Heterodermia casarettiana	2804	X									
	Heterodermia granulifera	2812										
	Heterodermia hypoleuca	2813										
23	Heterodermia leucomelos	2814									X	
24	Heterodermia obscurata	2816	X					X	X			
25	Heterodermia speciosa	2822								X		
26	Heterodermia squamulosa	2823		X				X	X			
	Hyperphyscia adglutinata	2901										
27	Hypogymnia krogiae	3110			X							X
28	Hypogymnia physodes	3116	X	X	X	X	X	X	X		X	X
29	Hypotrach. croceopustulata	3201			X	X	X					
30	Hypotrachyna livida	3208	X									
	Hyptrachyna pustulifera	3215										
31	Hypotrachyna revoluta	3216	X				X		X			
32	Hypotrachyna showmanii	3218		X					X	X		
33	Imshaugia aleurites	3301					X				X	
	Leptogium corticola	3609										
34	Lobaria pulmonaria	3905						X	X			
35	Lobaria quercizans	3906						X	X			
36	Melanelia halei	4008	X	X				X	X	X		X
37	Menegazzia terebrata	4101								X	X	
	Myelochroa aurulenta	4201										
38	Melochroa galbina	4202	X						X			X
39	Parmelia fertilis	4801							X			
40	Parmelia squarrosa	4805		X				X	X	X	X	
41	Parmelia sulcata	4806	X			X		X				X

Table 4 (Continued). Corticolous Macrolichen Species List, Mt. Rogers National Recreation Area, Virginia--1994.

	Species name	Sp. code	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	Plot 10
42	Parmelinopsis sp.	5100	X	X		X				X	X	
43	Parmelinopsis horrescens	5101	X	X	X	X	X			X	X	
44	Parmelinopsis minarum	5102		X			X			X	X	
45	Parmotrema arnoldii	5301					X					
46	Parmotrema crinitum	5305	X	X	X			X	X	X	X	X
47	Parmotrema cf. eurysacum	5310	X									
	Parmotrema gardneri	5328										
48	Parmotrema hypotropum	5314									X	
49	Parmotrema margaritatum	5318						X			X	
	Parmotrema perforatum	5323										
50	Parmotrema perlata	5303						X			X	X
	Parmotrema stuppeum	5329										
	Parmotrema subsumptum	5330										
51	Phaeophyscia pusilloides	5613						X		X		X
52	Phaeophyscia rubropulchra	5614	X							X	X	X
53	Physcia sp.	5700										X
54	Physcia aipolia	5702							X			
	Physcia americana	5704										
55	Physcia millegrana	5716	X									
	Physcia neogaea	5718										
	Physcia sorediosa	5722										
56	Physcia stellaris	5723	X						X		X	
57	Platismatia tuckermannii	6106			X	X			X	X		X
58	Pseudevernia cladonia	6301			X	X	X					
59	Punctelia appalachensis	6701						X	X			
	Punctelia missouriensis	6705										
60	Punctelia reddenda	6707							X			
61	Punctelia rudecta	6708	X	X			X	X	X			X
62	Punctelia semansiana	6709	X						X	X		X
63	Punctelia subrudecta	6711	X			X		X		X	X	
	Pyxine caesiopruinosa	6803										
64	Pyxine sorediata	6808	X	X				X				
65	Ramalina americana	6901	X				X	X	X	X	X	X
66	Ramalina intermedia	6918						X				
	Rimelia cetrata	7101										
67	Rimelia reticulata	7104		X						X	X	
68	Umbilicaria mammulata		X								X	
69	Usnea ceratina	8014									X	
70	Usnea confusa	8018			X							
71	Usnea cornuta	8019			X							
72	Usnea hesperina	8040									X	
	Usnea mutabilis	8050										
73	Usnea rubicunda	8063									X	
74	Usnea strigosa	8069	X	X				X		X	X	X
75	Usnea subfloridana	8072	X		X	X		X	X			X
76	Usnea subfusca	8073	X									
	Usnea subscabrosa	8076										
	Total Species Per Plot		31	16	17	16	18	26	28	23	26	24

Table 5. The fourteen corticolous macrolichen species found in each area respectively in five or more of the ten plots.

James River	Number of plots	Mt. Rogers	Number of plots
Cetraria oakesiana	9	*Cetraria oakesiana*	10
Flavoparmelia caperata	9	*Flavoparmelia caperata*	9
Phaeophyscia rubropulchra	9	*Hypogymnia physodes*	9
Punctelia rudecta	9	*Parmotrema crinitum*	8
Parmelia squarrosa	8	*Parmelinopsis horrescens*	7
Usnea rubicunda	8	*Ramalina americana*	7
Heterodermia obscurata	6	*Cetrelia chicitae*	6
Myelochroa aurulenta	6	*Melanelia halei*	6
Parmelinopsis mniarum	6	*Punctelia rudecta*	6
Physcia millegrana	6	*Usnea strigosa*	6
Parmotrema hypotropum	5	*Usnea subfloridana*	6
Punctelia subrudecta	5	*Parmelia squarrosa*	5
Pyxine sorediata	5	*Platismatia tuckermanii*	5
Rimelia reticulata	5	*Punctelia subrudecta*	5

Table 6. Some pollution tolerant and pollution sensitive lichen species collected in the James River Face Wilderness Area and in the Mount Rogers National Recreation Area, Virginia.

	James River Face	Mount Rogers
Pollution tolerant[1]	*Physcia millegrana* *Candelaria concolor* *Parmotrema hypotropum* *Phaeophyscia rubropulcra* *Flavoparmelia caperata*	*Physcia millegrana* *Parmotrema hypotropum* *Phaeophyscia rubropulchra* *Flavoparmelia caperata*
Pollution sensitive[1]	*Canoparmelia caroliniana* *Hypotrachyna livida* *Heterodermia obscurata* *Rimelia reticulata* *Pyxine sorediata* *Usnea strigosa* *Parmelinopsis horrescens* *Parmelinopsis miniarum* *Punctelia rudecta* *Ramalina americana* *Usnea mutabilis*	*Hypotrachyna livida* *Heterodermia obscurata* *Rimelia reticulata* *Pyxine sorediata* *Usnea strigosa* *Parmelinopsis horrescens* *Parmelinopsis mniarum* *Punctelia rudecta* *Ramalina americana*

1 Using preliminary FHM results of species tolerance of air pollution based on signed r^2 (=|r|*r) to score species, where r is the correlation coefficient between species abundances and FHM plot scores on an air quality gradient in the southeastern United States (McCune et. al., 1994).

APPENDIX A

Data Sheets for Corticolous Macrolichens Collected in the Summer of 1994 in Plots 1-10 in the James River Face Wilderness Area, Virginia.

(Also includes copy of plot packing slip and sample voucher label for each plot.)

Lichen Identification Data Sheet
Jefferson National Forest --1994

ames River Face Wilderness Area Plot. No. 1
tate: Virginia
County: Rockbridge

Date: 6-21-94
Collector K. Hickmott S. Powers
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	603			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
1	Canoparmelia caroliniana	802	3	19	1..2(3)		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
2	Cetraria . oakesiana	1012	3	32	1..2(3)	11	(2)1..2..3	21	1(2)3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
3	Cladonia coniocraea	1211	3	23	1..2(3)		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
4	Cladonia cylindrica	1214	3	20	1..2(3)		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
5	Flavoparmelia caperata	2601	4	16	(4)1..2..3	5	1..2..3(4)	1	1..2(3)	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

JRFW Plot 1 6-21-94

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
6	Hyptrachyna pustulifera	3215	3	2	1..2.(3)	6	1..2.(3)		1..2..3	TLC
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
7	Imshaugia aleurites	3301	3	39	1..2.(3)	36	(1)2..3	9	1..2.(3)	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
8	Melochroa galbina	4202	2	25	1.(2)3	24	1(2).3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
9	Parmelia squarrosa	4805	2	28	1(2).3		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
10	Parmelinopsis minarum	5102	3	31	(1).2..3	14	1..2(3)	10	1..2.(3)	
11	Parmelinopsis sp.	5100	3	22	1..2(3)		1..2..3		1..2..3	TLC B
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
12	Parmotrema hypotropum	5314	3	41	1..2(3)	16	1..2(3)		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
13	Parmotrema subsumptum		2	34	1(2).3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
14	Phaeophyscia pusiloides	5613	2	8	1(2)3		1..2..3		1..2..3	
	Phaeophyscia rubropulchra	5614			1..2..3		1..2..3		1..2..3	

VA, W plot 1 6-21-94

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
15	Physcia stellaris	5723	1	18	1..2.(3)		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
16	Punctelia rudecta	6707	3	29	(2)..3	16	(2)1..2..3	13	1(2)..3	3 (2)
17	Punctelia semansiana	6708	2	7	1.(2)3		1..2..3		1..2..3	
18	Punctelia subrudecta	6711	2	37	1(2)3	15	1..2(3)		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
19	Rimelia cetrata	7101	3	31	(2)1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
20	Rimelia reticulata	7104	1	35	(1)2..3	11	1..2(3)	4	1..2(3)	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
21	Usnea rubicunda	8063	3	33	1..2(3)	40	(2)1..2..3	10	1(2)3	27 (2) 12 (2)
22	Usnea strigosa	8069	2	38	1(2)3	20	(1)2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
23	Usnea subscabrosa	8076	1	17	(1)2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
					1..2		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

41

Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 1 State: VA (51) County: ROCK BRIDGE (163)

Date: 6-21-94 Crew Member's Name: S. POWERS K. HICKMAN Crew number: 1 JEFF NO.

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 10:50
Record the time lichen sampling ended: 12:45
Total time spent sampling the plot: 1 hr. 55 min
15 min interval / No new species documented.
Comments about the plot, the lichens, the vegetation, and/or the weather:
HAZEY - HUMID - HOT CHESTNUT OAK S. OAK B. GUM

Lichens of James River
Face Wilderness Area

REMEMBER:

Record the abundance c
Remember to look for t
Try to put only one spe

VIRGINIA. ROCKBRIDGE CO.:
James River FWA Plot No. 1 Elevation 1,440 ft
Gunter Ridge Trail (FS No. 8), approx. 0.55 mi E from the end of FS Road 3015 and above Little Hellgate Creek. Chestnut oak/scarlet oak community. Site is approx. 2.5 mi SE of Glenwood Ranger Station.

Collected by Ken Hickman & Susan Powers
June 21, 1994 No. 1-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Lichen Identification Data Sheet
Jefferson National Forest --1994

James River Face Wilderness Area Plot. No. 2
State: Virginia
County: Rockbridge

Elev. 1610 ft

Date: 6/22/94
Collector K Hakkinen + S. Powers
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	2	38	1(2).3		1..2..3		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
2	Cladonia chlorophaea s.l.	1210	3	33	(3)1 .3		1..2..3		1..2..3	
3	Cladonia coniocraea	1211	3	8	1(2).3	35	1.(2).3	33	1.(2).3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
4	Flavoparmelia caperata	2601	3	12	1(2).3	45	1..2(3)	46	1(2).3	15 (3) 4 (3) 19 (3) 43 (2)
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
5	Heterodermia obscurata	2816	3	7	1..2.(3)		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

JAFW plot 2 6-22-94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
6	Imshaugia aleurites	3301	3	10	1..2(3)		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
7	Melochroa galbina	4202	1	14	(1)2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
8	Parmelia squarrosa	4805	3	16	(0)1..2..3		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
9	Parmelinopsis minarum	5102	3	17	1 (3)	1	(6)1..2..3	17	1(2).3	24 (6)
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
10	Parmotrema hypotropum	5314	3	27	1(2)3	42	1(2)8	24	1.(2).3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
11	Phaeophyscia rubropulchra	5614	3	7	(2)1..2..3		1..2..3		1..2..3	

JAFO Plot 2 6-22-94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
12	Physcia millegrana	5716	3	23	1..2..3		1..2..3		1..2..3	
13	Physcia neogaea	5718	3	37	1..2..3	14	1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
14	Punctelia missouriensis	6705	3	18	1..2..3		1..2..3		1..2..3	47(1) 6(2) 18(2)
15	Punctelia rudecta	6707	3	36	1(2)3	10	1(2)3	11	(2)1..2..3	42(2) 41(3) 10
16	Punctelia semansiana	6708	3	26	1..2(3)	2	1..2(3)	16	1(2)3	21(2) 22(2)
17	Punctelia subrudecta	6711	3	13	1(2)3	14	(2)1..2..3	32	(2)1..2..3	25(2) 28(2) 6
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	26(2) 25(2)
18	Pyxine sorediata	6808	3	22	(2)1..2..3		1..2..3		1..2..3	
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
19	Rimelia reticulata	7104	3	9	1..2(3)	31	1(2)3	3	(2)1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
20	Usnea mutabilis	8050	3	40	1(2)3	43	1(2)3	44	(2)1..2..3	48(2)
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
21	Usnea rubicunda	8063	3	35	1..2(3)	34	1(2)3	49	1..(2)3	50(3) 54(2)
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only			11	1(2)3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen			3	1(2)3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 2 State: VA. County: Rockbridge Jeff.

Date: 6/22/94 Crew Member's Name: K. Hickman S. Powers Crew number: 1

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 10:30
Record the time lichen sampling ended: 12:30
Total time spent sampling the plot: 2 hrs.

Comments about the plot, the lichens, the vegetation, and/or the weather:
1600' elevation
C. oak, Hickory
S. oak

REMEMBER:

Record the abundar
Remember to look
Try to put only one

Lichens of James River Face Wilderness Area

VIRGINIA. ROCKBRIDGE CO.:
James River FWA Plot No. 2 Elevation 1,600 ft
Balcony Falls Trail (FS No. 7) approaching ridge top. Chestnut oak, scarlet oak, hickory forest. Site is near Rockbridge County & Bedford County line approx. 3.5 mi E/SE of Glenwood Ranger Station.

Collected by Ken Hickman & Susan Powers
June 22, 1994 No. 2-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Lichen Identification Data Sheet
Jefferson National Forest --1994

ames River Face Wilderness Area Plot. No. 3
tate: Virginia
County: Bedford

Date: 6-2-94
Collector E Hodgson + S. Powers
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	3	1	1..2(3)	7	1(2)3	16	1..2(3)	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
2	Cladonia cylindrica	1214	3	13	1..2(3)		1..2..3		1..2..3	TLC
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
3	Flavoparmelia caperata	2601	3	8	1..2(3)	11	1..2(3)	14	1..2(3)	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
4	Heterodermia hypoleuca	2813	3	21	1..2(3)		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
5	Heterodermia obscurata	2816	3	14	(0)1..2..3	20	1..2(3)	25	1..2(3)	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

JAFU PLOT-3 6-24-94

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
6	Hypotrachyna livida	3208	J	2	1.(2)3	13	1..2(3)		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
7	Myelochroa aurulenta	4201	J	31	(0)1..2..3		1..2..3		1..2..3	
8	Melochroa galbina	4202	J	31	(0)1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
9	Parmelia squarrosa	4805	J	30	1..2(3)		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
10	Parmelinopsis horrescens	5101	J	14	(0)1..2..3		1..2..3		1..2..3	
11	Parmelinopsis minarum	5102	J	9	1..2(3)	27	1(2)3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
12	Parmotrema hypotropum	5314	J	4	1..2(3)	12	1..2(3)	19	1..2(3)	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
4	Phaeophyscia rubropulchra	5614	J	4	1..2(3)		1..2..3		1..2..3	

JRFW Plot 3 6-24-94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
14	Physcia millegrana	5716	3	24	(1)..2..3	35	(1)..2..3	41	1..(2).3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
15	Punctelia missouriensis	6705	3	32	1..2..(3)		1..2..3		1..2..3	
16	Punctelia rudecta	6707	3	5	(1)..2..3	6	1..2..(3)	18	1..2..(3)	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
	Punctelia subrudecta	6711			1..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
17	Pyxine sorediata	6808	3	15	1..2..(3)	24	1..(2)..3	31	1..(2)..3	
18	Ramalina americana	6901	2	4	1..(2)..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
19	Rimelia cetrata	7101	3	25	1..2..(3)		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
20	Rimelia reticulata	7104	3	10	1..2..(3)	38	1..2..(3)		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
21	Usnea cornuta	8019	3	40	1..2..(3)		1..2..3		1..2..3	TC
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
22	Usnea mutabilis	8050	3	28	1..(2)..3	46	1..(2)..3	47	1..(2)..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
23	Usnea rubicunda	8063	3	22	1..(2)..3	42	1..(2)..3	49	1..(2)..3	
24	Usnea strigosa	8069	3	39	1..2..(3)		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
25	Cornicularia normoerica	807	2	17	1..(2)..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 3 State: VA County: BEDFord

Date: 6-24-94 Crew Member's Name: K Hick S Powers Crew number: 64-1400

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 0900
Record the time lichen sampling ended: 1700
Total time spent sampling the plot: 200

Comments about the plot, the lichens, the vegetation, and/or the weather:
Hot Humid Storm came in after
plot

REMEMBER:
Record the abundan
Remember to look f
Try to put only one

Lichens of James River
Face Wilderness Area

VIRGINIA. BEDFORD CO.:
James River FWA Plot No. 3 Elevation 1,200 ft
Appalachian Trail (No.1) on ridge above the James River approximately 0.75 mi SE of Matts Creek Shelter. Site is approx. 6.4 mi E/SE of Glenwood Ranger Station.

Collected by Ken Hickman & Susan Powers
June 24, 1994
No. 3-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Lichen Identification Data Sheet
Jefferson National Forest --1994

~~James Rivertrail Wilderness~~
~~S. Rogers National Recreation Area~~ Plot. No. 4
State: Virginia
County: Bedford

Date: 6-23-94
Collector S. Powers + R. Hitchcock
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
1	Anzia copodes	402	2	61	1(2)3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
L	Cetraria ciliaris	1006	3	9	(C)1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	3	25	1..2(3)		1..2..3		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
4	Cladonia coniocraea	1211	4	67 4	1(2)3	21	(C)1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
5	Cladonia didyma	1243	3	66	1..2(3)	21	1..2(3)	24	1..2(3)	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
6	Flavoparmelia caperata	2601	3	64	1..2(3)	13	1..2(3)	8	1..2(3)	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
7	Heterodermia granulifera	2812	3	66	(C)..2..3	65	(C)1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
8	Heterodermia obscurata	2816	3	69	(C)1..2..3	23	1..2(3)		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

VRFW Alert 4 6-25-94

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
9	Hypotrachyna livida	3208	3	43	1..2.(3)	11	1..2(3)	20	1..2(3)	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
10	Myelochroa aurulenta	4201	3	69	(1)..2..3	62	(1)..2..3	31	1..2(3)	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
11	Parmelia squarrosa	4805	3	29	(1)..2..3	46	1..2(3)	41	(1)..2..3	16 (2)
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
12	Parmelinopsis minarum	5102	3	67	(1)..2..3	45	1(2)3	5	1..2(3)	52 (1)
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
13	Parmotrema hypotropum	5314	4	43	1..2.(3)	47	1(2)3	15	1..2.(3)	37 (2) 6 (4) 18 (3) 54 (3) 55 (1)
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
14	Parmotrema perforatum	5323	3	194	1(2)..3	48	1..2(3)		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
15	Phaeophyscia rubropulchra	5614	3	2	(1)..2..3	1	1(2)3		1..2..3	

JAFO Plot 4 6-25-94

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
16	Physcia americana	5704	3	44	1(2)3	39	1(2)3	62	(1)2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
17	Physcia millegrana	5716	2	16	1(2)3	37	1(2)3		1..2..3	
18	Physcia neogaea	5718	3	69	1..2(3)	4	1(2)3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia boiliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
19	Punctelia rudecta	6707	4	67 (c)	1..2..3	41 (c)	1..2..3	40	1..2(3)	14(c) 13(c) 12(c)
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	17(c) 8(c)
20	Punctelia subrudecta	6711	3	14	1(2)3	7	(c)1..2..3	56	(c)1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
21	Pyxine sorediata	6808	3	38	1(2)3	2	1..2(3)	53	(c)1..2..3	34(3) 32(3)
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
22	Rimelia cetrata	7101	3	104	1..2(3)		1..2..3		1..2..3	smalls
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
23	Usnea ceratina	8014	2	51	1(2)3		1..2..3		1..2..3	
24	Usnea cornuta	8019	2	42	1(2)3		1..2..3		1..2..3	RC
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
25	Usnea mutabilis	8050	3	58	1..2(3)	31	1..2(3)		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
26	Usnea rubicunda	8063	3	30	1..2(3)	60	1(2)3	22	1..2(3)	25(1) 26(2) 27(2)
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	52(2) 53(c) 54
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
27	Cetrelia cetrarioides	803	3	41	1..2(3)	3	1..2(3)		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 4 State: VA. County: Bedford

Date 6/25 Crew Member's Name: S. Powers K. Hickman Crew number: _____

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 9:00
Record the time lichen sampling ended: 10:45
Total time spent sampling the plot: 1:45
No New in 15 min.
Comments about the plot, the lichens, the vegetation, and/or the weather:
STORM with HEAVY RAIN Night Before
C. OAK, W OAK H. CHOKE B. GUM
Noticed MANY Lichens DEAD or DAMAGED.

REMEMBER:
Record the abundance
Remember to look for
Try to put only one spe

Lichens of James River
Face Wilderness Area

VIRGINIA. BEDFORD CO.:
James River FWA Plot No. 4 Elevation 1,020 ft
Appalachian Trail (No.1) on ridge above the James River approximately 1.1 mi SE of Matts Creek Shelter. Site is approx. 6.7 mi E/SE of Glenwood Ranger Station.

Collected by Ken Hickman & Susan Powers
June 25, 1994
No. 4-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Lichen Identification Data Sheet
Jefferson National Forest --1994

James River Face Wilderness Area Plot. No. 5
State: Virginia
County: Rockbridge

Date: 6-30-94
Collector K. H. Rhoades S. Conners
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
1	Anaptychia palmulata	301	3	20	1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
2	Candelaria concolor	8301	3	15	1..2..3	16	1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
3	Cetraria . oakesiana	1012	3	12	1..2..3		1..2..3		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
4	Flavoparmelia caperata	2601	3	1	1..2..3		1..2..3		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

SRFC Plot # 5 6-10-94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
5	Myelochroa aurulenta	4201	3	22	1..2..(3)		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
6	Parmelia squarrosa	4805	3	9	1..2..(3)		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
	Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
7	Parmotrema margaritatum	5318	3	11	1..2..(3)	21	1..2..(3)		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
8	Phaeophyscia rubropulchra	5614	3	8	1..2..(3)		1..2..3		1..2..3	

JAFU PLOT # 5 6-7-1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
9	Physcia millegrana	5716	3	3	1..2(3)	6	1(2)..3	8	(0)1..2..3	10(0) 17(2) 23(3)
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
10	Physcia stellaris	5723	3	4	1..2(3)	10	1(2)..3	12	1..2(3)	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
11	Punctelia appalachensis	6701	3	2	1..2(3)	5	1..2(3)	16	1..2(3)	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
12	Punctelia rudecta	6707	3	7	1..2(3)	19	1..2(3)		1..2..3	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
	Punctelia subrudecta	6711			1..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
	Netby			14	1..2(3)		1..2..3		1..2..3	exclude
					1..2..3		1..2..3		1..2..3	

Start 10 am

Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 5 State: VA County: Rockbridge
Nug

Date: 6-30-94 Crew Member's Name: Steve Crew number: 1

Jefferson Nat'l. Forest-Glenwood District

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 10 am
Record the time lichen sampling ended: 11:15 am
Total time spent sampling the plot: 1 hr. 15 min

Comments about the plot, the lichens, the vegetation, and/or the weather:
Weather: partly cloudy trees sparse black locust
heavy herbaceous layer black cherry
shagbark hickory
not much fruticose
mockernut hickory
*no new lichens found w/in last 15 min wt. ash
red oak

REMEMBER:
Record the abur
Remember to lo
Try to put only

Lichens of James River
Face Wilderness Area

VIRGINIA. ROCKBRIDGE CO.:
James River FWA Plot No. 5 Elevation 3,073 ft
Highcock Knob summit on Appalachian Trail (No.1) north of the Blue Ridge Parkway. Hardwood forest. Site is approx. 5.7 mi S/SE of Glenwood Ranger Station.

Collected by Ken Hickman & Susan Powers
June 30, 1994
No. 5-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Lichen Identification Data Sheet
Jefferson National Forest --1994

...mes River Face Wilderness Area Plot. No. 6
...te: Virginia
...unty: Rockbridge

Date: 6-10-94
Collector: [illegible]
Lichen Specialist: J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
	Cetraria . oakesiana	1012			1..2..3		1..2..3		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum .				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
1	Flavoparmelia caperata	2601	3	18	1..2..(3)	20 5	1..2..(3)	24 4	1..2..(3)	
2	Flavopunctelia flaventior	2702	3	3	1..2..(3)	17	1..2..(3)		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
3	Heterodermia obscurata	2816	3	9	1..2..(3)		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
4	Hyperphyscia adglutinata	2901	3	7	1..2..(3)		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

JAFCO PLOT # 6 6-30-1994

Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
Lept. austroamericana				1..2..3		1..2..3		1..2..3	
Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
5 Myelochroa aurulenta	4201	3	1	1..2.(3)	6	1..2(3)	27	1..2(3)	of subsets
Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
6 Parmelia squarrosa	4805	3	15	1..2.(3)		1..2..3		1..2..3	
Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
7 Phaeophyscia pusilloides	5613	2	5	1(2)3		1..2..3		1..2(3)	
7 Phaeophyscia rubropulchra	5614	3	8	1..2(3)	10	(1)..2..3	28	1..2(3)	

USFW Plot # 6 6-3-1997

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
5	Physcia americana	5704	3	4	1..2(3)		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
9	Physcia millegrana	5716	3	2	1..2(3)	7	(1)..2..3	10	1..2(3)	11 (1) 14(2) 16(3)
11	Physcia neogaea	5718	3	21	1..2(3)		1..2..3		1..2..3	21 (1)
12	Physcia stellaris	5723	3	12 cf	1..2(3)		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
13	Punctelia appalachensis	6701	3	15	1..2(3)		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
14	Punctelia rudecta	6707	3	17	1..2(3)		1..2..3		1..2..3	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
	Punctelia subrudecta	6711			1..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
15	Pyxine sorediata	6808	3	25	(1)..2..3	26	1..2(3)		1..2..3	
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
16	Rimelia reticulata	7104	3	25	1..2(3)		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimella subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
17	Physcia dimidiata	5722	3	22	1..2(3)		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

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Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 6 State: VA County: Rockbridge
Nug Jeff. Nat'l. For.-Glenwood Dist.

Date: 6-30-94 Crew Member's Name: Steve Crew number: 1

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 12:30 pm
Record the time lichen sampling ended: 1:45 pm Storm started
Total time spent sampling the plot: 1:15
no new spp. found in last 15 min
Comments about the plot, the lichens, the vegetation, and/or the weather:
stormy weather trees w/ sparse lichen
heavy herbaceous layer

Lichens of James River Face Wilderness Area

VIRGINIA. ROCKBRIDGE CO.:
James River FWA Plot No. 6 Elevation 2,560 ft

Appalachian Trail (No.1), 0.35 mi E/NE of Petites Gap and 0.7 mi W/SW of Highcock Knob, north of the Blue Ridge Parkway. Hardwood forest. Site is approx. 5.5 mi S/SE of Glenwood Ranger Station.

Collected by Ken Hickman & Susan Powers
June 30, 1994 No. 6-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

bag!
pecies.
ag.

hickory
black walnut
poplar
red oak
wt ash

Lichen Identification Data Sheet
Jefferson National Forest --1994

James River Face Wilderness Area Plot. No. 7
State: Virginia
County: Rockbridge

Date: 7-1-1994
Collector: Mac Glaze
Lichen Specialist: J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
1	Anaptychia palmulata	301	3	9	1..2.(3)	15	(1)2(3)		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
2	Cetraria . oakesiana	1012	3	7	1(2)3	12	1(2)3	22	1..2(3)	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
3	Cladonia caespiticia	1207	2	26	1(2)3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
4	Cladonia cristatella	1212	3	15	1..2(3)		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
5	Flavoparmelia caperata	2601	3	2	1..2(3)	12	1..2(3)		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
6	Heterodermia obscurata	2816	2	10	1(2)3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

JRFCW Plot #7 7-1-1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
7	Lobaria pulmonaria	3905	1	144	(1).2..3		1..2..3		1..2..3	N17
8	Lobaria quercizans	3906	2	16	1..2.(3)		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
	Parmelia squarrosa	4805	3	1	1..2(3)	17	(2)1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
	Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
10	Parmelinopsis	510	3	1	(2)1..2..3		1..2..3		1..2..3	A
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
11	Parmotrema margaritatum	5318	3	3	1..2(3)	19	1(2)3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
12	Phaeophyscia rubropulchra	5614	3	4	1..2.(3)		1..2..3		1..2..3	

JAFU PLOT # 7 7-1-1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
13	Physcia millegrana	5716	3	5	1..2.(3)	8	1.(2).3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
14	Punctelia appalachensis	6701	3	22	1..2.(3)		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
15	Punctelia rudecta	6707	3	17	1..2.(3)	27	1..2.(3)		1..2..3	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
	Punctelia subrudecta	6711			1..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimella subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelli	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
16	Usnea rubicunda	8063	2	20	(1)2..3	21	(1).2..3		1..2..3	
17	Usnea strigosa	8069	1	18	(1).2..3		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
18	Usnea subscabrosa	8076	1	24	(1).2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	squamules only-exclude
	Cladonia squamules only			11	1..2..3		1..2..3		1..2..3	crustose forms-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	bryophyte-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 7 State: 51 County: 163

Date: Crew Member's Name: Crew number:

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 10:30 a.m.
Record the time lichen sampling ended: 12:30 a.m.
Total time spent sampling the plot: 2 hrs

Comments about the plot, the lichens, the vegetation, and/or the weather:
Weather - clear and sunny
Chestnut oak, hickory, red maple

REMEMBER:
Record the abun
Remember to loc
Try to put only c

Lichens of James River
Face Wilderness Area

VIRGINIA. ROCKBRIDGE CO.:
James River FWA Plot No. 7 Elevation 2,517 ft

Belfast Trail (No.9) NE of Devils Marbleyard at gap 0.6 mi W of junction with Appalachian Trail. Hardwood forest of chestnut oak, hickory and red maple. Site is approx. 3.8 mi S/SE of Glenwood Ranger Station.

Collected by Ken Hickman & Susan Powers (?)
July 1, 1994 No. 7-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Lichen Identification Data Sheet
Jefferson National Forest --1994

...mes River Face Wilderness Area Plot. No. 8
...te: Virginia
...unty: Rockbridge

Date: 7/5/94
Collector R. Hinchman C. Austin
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	3	10	1..2(3)		1..2..3		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
2	Cladonia didyma	1243	3	12	1..2(3)		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
	Flavoparmelia caperata	2601			1..2..3		1..2..3		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

SREL Plot # 8 7/5/1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
3	Imshaugia aleurites	3301	3	13	1..2(3)		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
4	Leptogium corticola	3609	1	5	(1)2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
5	Myelochroa aurulenta	4201	3	6	1..2(3)		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
	Parmelia squarrosa	4805			1..2..3		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
6	Parmelinopsis minarum	5102	3	8	1..2(3)		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
7	Parmotrema margaritatum	5318	2	1	1(2)3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
8	Phaeophyscia pusilloides	5613	3	4	(0)1..2..3		1..2..3		1..2..3	
9	Phaeophyscia rubropulchra	5614	3	5	1..2(3)		1..2..3		1..2..3	

JAFW Plot # 8 7/5/1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
10	Physcia stellaris	5723	3	15	1..2(3)	12	1..2(3)		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
11	Punctelia missouriensis	6705	3	1	1..2(3)		1..2..3		1..2..3	
12	Punctelia rudecta	6707	3	2	1..2(3)	9	1..2(3)	11	1..2(3)	14 (3)
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
	Punctelia subrudecta	6711			1..2..3		1..2..3		1..2..3	
13	Pyxine caesiopruinosa	6803	2	4	1(2)3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
14	Ramalina americana	6901	1	16	(1).2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelli	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
17	Usnea rubicunda	8063	1	14	(1).2..3		1..2..3		1..2..3	
16	Usnea strigosa	8069	1	17	(1)..2..3		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	squamules only-exclude
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	bryophyte-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Plot 8

Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 8 State: Va 51 County: Rockbridge 163

Date: 7/5/94 Crew Member's Name: K. Hickman C. Austin Crew number: 2

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 9:30

Record the time lichen sampling ended: 11:15

Total time spent sampling the plot: 1 hr. 45 min.

Comments about the plot, the lichens, the vegetation, and/or the weather:

last 15 minutes - no new species found

Weather partly cloudy. Very few foliose lichens found. Noticed very some dead lichens.

REMEMBER: Chestnut oak - red oak - dead yellow pine

Record the abundance code on each bag!

Lichens of James River
Face Wilderness Area

VIRGINIA. ROCKBRIDGE CO.:
James River FWA Plot No. 8 Elevation 1,800 ft

Belfast Creek along Belfast Trail (No.9) near Devils Marbleyard . Forest of chestnut oak, red oak and dead yellow pine. Site is approx. 3.7 mi S/SE of Glenwood Ranger Station.

Collected by Ken Hickman & Carol Austin
July 5, 1994 No. 8-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Lichen Identification Data Sheet
Jefferson National Forest --1994

mes River Face Wilderness Area Plot. No. 9
te: Virginia
unty: Rockbridge

Date: 7-5-94
Collector E. Hickman C. Nelson
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
1	Cetraria ciliaris	1006	4	1	1(2)3	4	1..2(3)	12	(4)..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
2	Cetraria . oakesiana	1012	2	24	1(2)3		1..2..3		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
3	Cladonia coniocraea	1211	2	19	1(2).3		1 3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
4	Cladonia cylindrica	1214	2	22	1(2).3		1..2..3		1..2..3	
4	Cladonia didyma	1243	2	18	1(2).3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
5	Coccocarpia palmicola	1304	2	16	1(2)3		1..2..3		1..2..3	
	Collema conglomeratum .				1..2..3		1..2..3		1..2..3	
6	Collema nigrescens	1412	3	17	1..2(3)		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
7	Flavoparmelia caperata	2601	3	11	1..2(3)		1..2..3		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
8	Heterodermia obscurata	2816	3	10	1..2(3)	13	1..2(3)		1..2..3	
9	Heterodermia speciosa	2822	3	20	1..2(3)		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

SRFCW PLOT # 9 7/5/1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
10	Hypotrachyna livida	3208	3	5	1..2.(3)		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
11	Myelochroa aurulenta	4201	3	10	(5)1..2..3		..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
	Parmelia squarrosa	4805			1..2..3		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
12	Parmelinopsis minarum	5102	3	13	(10)1..2..3	20	(5)1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
13	Parmotrema cf gardneri	5328	3	2	1..2.(3)		1..2..3		1..2..3	TLC
14	Parmotrema hypotropum	5314	3	9	1..2(3)		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
15	Parmotrema stuppeum	5329	3	12	(5)1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
16	Phaeophyscia rubropulchra	5614	3	23	1..2(3)		1..2..3		1..2..3	

JAFU PLOT # 9 7/5/1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
	Punctelia rudecta	6707			1..2..3		1..2..3		1..2..3	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
17	Punctelia subrudecta	6711	3	3	1..2(3)		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
18	Ramalina americana	6901	4	11	(1)..2..3	LL	(1)..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
19	Rimelia cetrata	7101	3	18 & (D)	..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
20	Usnea hesperina	8040	L	LJ	1(2)..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
21	Usnea rubicunda	8063	3	6	1..2(3)	7	1..2(3)	8	1..2(3)	28 (2) 14 (3) 15 21 (1) 25 (2)
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	squamules only-exclude
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	bryophyte-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 9 State: 51 VA County: 163 Rockbridge

Date: 7-5-94 Crew Member's Name: K. Hickman C. Austin Crew number: 2

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 12:30
Record the time lichen sampling ended: 2:15
Total time spent sampling the plot: 1 hr. 45 min.

Comments about the plot, the lichens, the vegetation, and/or the weather:
no new ones in last 15 min.
Yellow pine, scarlet oak, chestnut oak
laurel
Partly cloudy - weather

REMEMBER:
Record the
Remember
Try to put

Lichens of James River Face Wilderness Area

VIRGINIA. ROCKBRIDGE CO.:
James River FWA Plot No. 9 Elevation 1,240 ft
Belfast Creek along Belfast Trail (No.9) near western boundary of wilderness area. Forest of chestnut oak, scarlet oak, yellow pine and laurel. Site is approx. 3.7 mi S of Glenwood Ranger Station.

Collected by Ken Hickman & Carol Austin
July 5, 1994 No. 9-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Lichen Identification Data Sheet
Jefferson National Forest --1994

ames River Face Wilderness Area Plot. No. 10
ate: Virginia
County: 19

Date: 7-26-94
Collector K. McLemore C. Hatton
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
1	Anaptychia palmulata	301	2	11	1(2)3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
2	Canoparmelia caroliniana	802	2	15	1(2)3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
3	Cetraria . oakesiana	1012	3	3	1..2(3)		1..2..3		1..2..3	TLC
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
4	Flavoparmelia caperata	2601	3	1	1..2(3)		1..2..3		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
5	Heterodermia squamulosa	2823	3	16	1..2(3)		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

JRFCW Plot #10 7/26/1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
6	Hypotrachyna livida	3208	3	6	1..2..(3)		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
7	Parmelia squarrosa	4805	2	12	1..(2)..3	7	1..(2)..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
	Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
8	Parmotrema perforatum	5323	2	10 &	1..(2)..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
9	Phaeophyscia rubropulchra	5614	3	16	(0)..2..3		1..2..3		1..2..3	

JAFW Plot # 10 7/26/1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
10	Punctelia rudecta	6707	3	1	1..2(3)	15	(3)1..2..3	10	1..2..3	
11	Punctelia semansiana	6708	3	14	(0)1..2..3		1..2..3		1..2..3	
12	Punctelia subrudecta	6711	3	4	1..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
13	Pyxine sorediata	6808	3	13	1..2(3)		1..2..3		1..2..3	
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
14	Rimelia reticulata	7104	2	5	1..2(3)	14 g	1..2(3)	17 g	(3)1..2..3	17 dying
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
15	Usnea rubicunda	8063	2	9	1(2)..3		1..2..3		1..2..3	
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities PLOT PACKING SLIP FHM, 1994

Plot hex number: 10 State: 37 County: 19

Date: 7-26-94 Crew Member's Name: K. Hickman C. Huber Crew number: JFA1

A copy of this sheet will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY.

Record the time lichen sampling began: 1325
Record the time lichen sampling ended: 1425
Total time spent sampling the plot: 1hr

Comments about the plot, the lichens, the vegetation, and/or the weather:
PLOT NEAR AN OLD SHELTER SITE WITH CHESTNUT OAK HICKORY & TORN LAMEIN WHILE WORKING PLOT RAINED OFF & ON

REMEMBER:
Record the abu
Remember to lo
Try to put only

Lichens of James River
Face Wilderness Area

VIRGINIA. ROCKBRIDGE CO.:
James River FWA Plot No. 10 Elevation 2,360 ft
Appalachian Trail, approx. 200 ft N of Marble Spring and 0.6 mi N/NE of Hichcock Knob. Forest of chestnut oak and hickory. Site is approx. 5.5 mi S/SE of Glenwood Ranger Station.

Collected by Ken Hickman & Cindy Huber
July 26, 1994 No. 10-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

APPENDIX B

Data Sheets for Corticolous Macrolichens Collected in the Summer of 1994 in Plots 1-10 in the Mount Rogers National Recreation Area, Virginia.

(Also includes copy of plot packing slip and sample voucher label for each plot.)

Tree People Trail @ Pine Knob Parking Lot — Lichen Identification Data Sheet
Jefferson National Forest --1994

Mt. Rogers National Recreation Area Plot. No. 1 — Date: 15 July 1994

State: Virginia — Collector T. Oliver - S. Powers

County: Grayson — Elev. 4100 ft — Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
1	Cetraria ciliaris	1006	2	35	1(2)3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
2	Cetraria . oakesiana	1012	1	2	1..2(3)	19	(0)1..2..3	24	1(2)3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
3	Cetrelia chicitae	1102	2	34	1(2)3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
4	Cladonia caespiticia	1207	3	37	1..2(3)	40	1..2(3)		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
5	Cladonia coniocraea	1211	2	16	(0)2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
35	Cladonia didyma	1243	1	22	1..2(3)		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
6	Flavoparmelia caperata	2601	1	8	(0)1..2..3		1..2..3		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
7	Heterodermia casarettiana	2804	1	39	1..2(3)		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
8	Heterodermia obscurata	2816	3	48	1..2(3)		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
9	Hypogymnia physodes	3116	3	50	(0)..2..3	41	1..2(3)		1..2..3	

MARIA plot 1 15 July 1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
10	Hypotrachyna livida	3208	3	3	1..2(3)		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
11	Hypotrachyna revoluta	3216	3	14	(1)2..3	45	1(2)..3	12	1..(3)	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
12	Melanelia halei	4008	2	49	1(2)..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
13	Melochroa galbina	4202	2	12	1(2)..3	10	1(2)..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
	Parmelia squarrosa	4805			1..2..3		1..2..3		1..2..3	
14	Parmelia sulcata	4806	3	11	1..2(3)		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
15	Parmelinopsis horrescens	5101	3	28	1..2(3)		1..2..3		1..2..3	
	Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
16	Parmelinopsis ~~sp.~~	5106	2	18	1(2)3		1..2..3		1..2..3	A
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
17	Parmotrema crinitum	5305	3	49	1(2)3	25	1..2(3)		1..2..3	
18	Parmotrema eurysacum	5310	2	64	1(2)3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
19	Phaeophyscia rubropulchra	5614	3	38	(1)..2..3	41	1..2(3)	46	1(2)..3	

ALNUS plot 1 15 July 1994

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
20	Physcia millegrana	5716	3	9	(0)1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
21	Physcia stellaris	5723	3	41	1..2(3)	9	1(2)..3	19	(0)1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
22	Punctelia rudecta	6707	3	1	1..2(3)		1..2..3		1..2..3	
23	Punctelia semansiana	6708	2	4	1(2)..3		1..2..3		1..2..3	
24	Punctelia subrudecta	6711	2	8	1(2)..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
25	Pyxine sorediata	6808	3	17	1..2(3)		1..2..3		1..2..3	
26	Ramalina americana	6901	3	44	1(2)..3	48	1(2)..3	15	1(2)..3	27(2)
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
27	Usnea ceratina	8014	1	21 4	(1)2..3		1..2..3		1..2..3	trace
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
28	Usnea strigosa	8069	3	42	1(2)..3	30	(1)2..3	31	1(2)..3	12(1)
29	Usnea subfloridana	8072	1	46	(1)2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
30	Usnea suffocata	8073	2	47 4	1.(2).3		1..2..3		1..2..3	trace
					1. .3		1..2..3		1..2..3	
31	Usnea hirta var. hirta		1	23	(1)2..3		1..2..3		1..2..3	
					1..2.		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	33(1)
	Cladonia squamules only			7	1(2)..3	19	1..2(3)	16	1..2(3)	squamules only-exclude
	Crustose lichen			29	(1)2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities **PLOT PACKING SLIP** FHM, 1994

Three Peaks Trail @ Pine Mtn. Parking lot.

Plot hex number: Plot #1 State: VA County: Grayson

T. Blevins

Date: 15 July 94 Crew Member's Name: S. Powers Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 9:11 AM
Record the time lichen sampling ended: 11:03 AM
Total time spent sampling the plot: 1:52 min

Comments about the plot, the lichens, the vegetation, and/or the weather:
Overcast and hazy (Foggy) Poor light conditions

REMEMBER:
Record the abundance code on each bag!
Remember to look for the common species.
Try to put only one species in each bag.

Lichens of Mt. Rogers National Recreation Area

VIRGINIA. GRAYSON CO.:
Mt. Rogers NRA Plot No. 1 Elevation 4,180 ft
Approx. 1,100 ft E of the road switchback (at 4,200 ft contour on FS Road 613 S of VA Route 603 W of Troutdale). Site is downslope from Third Peak Trail (No. 4521) and is approx. 2.1 miles SW of Troutdale.

Collected by Tom Blevins & Susan Powers
July 15, 1994

No. 1-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Pine Mtn Road / Opossum Creek

Lichen Identification Data Sheet
Jefferson National Forest --1994

Mt. Rogers National Recreation Area Plot. No. 2

State: Virginia

County: Grayson

Elev 3?20 ft

Date: 15 July 1994

Collector: T. [illegible] - S. [illegible]

Lichen Specialist: J. Dey

		Data to enter								
	Species name	Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	3	25	1..2..(3)		1..2..3		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
2	Cladonia caespiticia	1207	3	18	1..2..(3)		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
3	Flavoparmelia caperata	2601	4	5	(4)..2..3		1..2..3		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
4	Heterodermia squamulosa	2823	2	17	1..(2)..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
5	Hypogymnia physodes	3116	3	19	1..(2)..3	24	1..(2)..3	15	1..(2)..3	

MLNAA Plot 2 15 July 1997

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
6	Hypotrachyna showmanii	3218	3	8	1..2(3)		1..2		1..2	27 (2)
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
7	Melanelia halei	4008	3	21	1(2)3	6	1..2(3)		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
8	Parmelia squarrosa	4805	3	22	1..2(3)		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
9	Parmelinopsis horrescens	5101	3	4	1..2(3)	1	1..2(3)		1..2..3	
10	Parmelinopsis minarum	5102	3	31	1..2(3)	32	1..2(3)		1..2..3	
11	Parmelinopsis sp.	5100	3	28	1.(2)	3	1..2(3)	23	1.(2)3	B
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
12	Parmotrema crinitum	5305	3	12	1..2..(3)		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
	Phaeophyscia rubropulchra	5614			1..2..3		1..2..3		1..2..3	

MANRA Plot 2 15 July 1999

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
13	Punctelia rudecta	6707	3	20	1..2(3)	2	1..2(3)		1..2..3	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
	Punctelia subrudecta	6711			1..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
14	Pyxine sorediata	6808	3	14	1..2(3)	10	1(2).3		1..2..3	
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
15	Rimelia reticulata	7104	3	19	1..2(3)		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimella subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
16	Usnea strigosa	8069	1	22	(1)..2..3		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only			1	1..(2)3	16	1..2(3)		1..2..3	squamules only-exclude
	Crustose lichen			11	1..2(3)	7	1..2(3)		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities **PLOT PACKING SLIP** FHM, 1994

Plot hex number: #2 (Pine Mtn. Road/Opossum Cr.) State: VA County: Grayson

Date: 15 July 94 Crew Member's Name: S. Powers (T. Blevins) Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 12:15 pm
Record the time lichen sampling ended: 1:30 pm
Total time spent sampling the plot: 1hr 15 min

Comments about the plot, the lichens, the vegetation, and/or the weather:
Weather: Partly Cloudy - Light conditions range from bright sunshine to heavy overcast.

REMEMBER:
- Record the abundance code on each bag!
- Remember to look for the common species.
- Try to put only one species in each bag.

The plot contained abundant lichens, but does not appear to be very diverse. Dry ridge condition.

Lichens of Mt. Rogers National Recreation Area

VIRGINIA. GRAYSON CO.:
Mt. Rogers NRA Plot No. 2 Elevation 3,880 ft

Pine Mountain Road (FS Road 613) approx. 800 ft north of junction with Highland Trail (No. 337), along Opossum Creek S of VA Route 603 W of Troutdale. Site is approximately 2.7 miles W/SW of Troutdale.

Collected by Tom Blevins & Susan Powers
July 15, 1994

No. 2-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

mt rogers SC

Lichen Identification Data Sheet
Jefferson National Forest --1994

Mt. Rogers National Recreation Area Plot. No. 3
State: Virginia
County: Grayson

Elev. 5540'

Date: 4 July 94
Collector T. Blasius + S. Bowman
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	4	33	1..2(3)	29	1(2)3	26	1..2(3)	21(4)
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
2	Cetrelia chicitae	1102	3	44	1..2(3)		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
3	Cladonia merochlorophaea	12	3	8	1..2(3)		1..2..3		1..2..3	merochlorophaea
4	Cladonia coniocraea	1211	2	15	1(2)3	3	1(2)3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
5	Cladonia macilenta	1225	3	17	1..2(3)		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
6	Cladonia ochrochlora	1228	3	35	1..2(3)	36	1..2(3)	6	1..2(3)	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
7	Cladonia squamosa	1236	4	28	1..2(3)	25	1..2(3)	19	1(2)3	12(2) 11(3) 3(4)
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
	Flavoparmelia caperata	2601			1..2..3		1..2..3		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
8	Hypogymnia krogiae	3110	3	2	1..2(3)	11	1..2(3)		1..2..3	
9	Hypogymnia physodes	3116	4	30	(4)1..2..3	18	(3)1..2..3		1..2..3	

ML Plot 1 19 July 94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
9	Hypotrac. croceopustulata	3201	1	7	1(2)3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
	Parmelia squarrosa	4805			1..2..3		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
11	Parmelinopsis horrescens	5101	3	24	(1)..2..3	28	1..2(3)	16	1..2(3)	14(1) 9(1)
	Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
12	Parmotrema crinitum	5305	2	22	1(2)3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
	Phaeophyscia rubropulchra	5614			1..2..3		1..2..3		1..2..3	

MR Plot 3 14 July 94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
13	Platismatia tuckermannii	6106	1	20	(1)..2..3		1..2..3		1..2..3	
14	Pseudevernia cladonia	6301	4	11	(1)..2..3	5	1(2)..3	4	1..2(3)	1(2)
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
	Punctelia rudecta	6707			1..2..3		1..2..3		1..2..3	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
	Punctelia subrudecta	6711			1..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
15	Usnea cornuta	8019	2	27	1(2)..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	
16	Usnea subfloridana	8072	3	24	1..2(3)		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
17	Usnea entheta	8018	2	12	1(2)..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities **PLOT PACKING SLIP** FHM, 1994

Plot hex number: Mount Rogers Summit #3 State: VA County: Grayson

T. Blevins

Date: July 19, 1994 Crew Member's Name: S. Powers Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 11:34 am
Record the time lichen sampling ended: 1:02 pm
Total time spent sampling the plot: 1hr 28 min

Comments about the plot, the lichens, the vegetation, and/or the weather:
Spruce/Fir Forest Type. Very open overstory due to Fir mortality resulting in a very dense spruce/Fir understory with numerous downed and dead trees. Weather was partly sunny. Lots of lichens! High abundance.
Elev. 5540'

REMEMBER:
Record the abundance code on each bag!
Remember to look for the common species.
Try to put only one species in each bag.

Note: Did not observe a new species for 15 minutes prior to ending time.

Lichens of Mt. Rogers National Recreation Area

VIRGINIA. GRAYSON CO.:
Mt. Rogers NRA Plot No. 3 Elevation 5,540 ft

Mount Rogers, 1,200 ft E/SE of summit, on Mt. Rogers Spur Trail (No.4590) in the Lewis Fork Wilderness Area. Spruce/fir forest area. Site is approximately 6.5 miles west/southwest of Troutdale.

Collected by Tom Blevins & Susan Powers
July 19, 1994 No. 3-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Pine Mtn @ Cabin Ridge
Thomas Knob - North

Lichen Identification Data Sheet
Jefferson National Forest --1994

Mt. Rogers National Recreation Area Plot. No. 4
State: Virginia
County: Bryson

Elev. 5940'

Date: 19 Aug 94
Collector T. & Rhoton S. Powers
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	4	29	(0)1..2..3	24	(0)1..2..3	23	1..2(3)	18(1) 5(2) 11
2	Cetraria orbata	1013	2	22	1.(2).3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
3	Cladonia bacillaris	1203	3	7	(0)1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
4	Cladonia ochrochlora	1228	2	27	1.(2).3	7	1.(2).3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
5	Cladonia squamosa	1236	3	21	1..2(3)	4	1..2(3)		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
6	Flavoparmelia caperata	2601	3	15 d	1(2).3	6	1..2(3)		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
7	Hypogymnia physodes	3116	3	30	(0)1..2..3	24	1(2)3	20	1..2(3)	9(0) 11(2)

Mt Rogers 4 ✓ 19 July 94

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
7	Hypotrac. croceopustulata	3201	✓	1	1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
	Parmelia squarrosa	4805			1..2..3		1..2..3		1..2..3	
9	Parmelia sulcata	4806	✓	14	1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
10	Parmelinopsis horrescens	5101	✓	29	1..2..3	♂	1..2..3	♀	1..2..3	
	Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
11	Parmelinopsis sp.	5100	✓	16	1..2..3	♂	1..2..3	10	1..2..3	A
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
	Phaeophyscia rubropulchra	5614			1..2..3		1..2..3		1..2..3	

ML Rogers #4 19 July 94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
12	Platismatia tuckermannii	6106	4	19	1(2)3		1..2..3		1..2..3	
13	Pseudevernia cladonia	6301	4	30	1..2(3)	45	1..2(3)	26	(1)2..3	2(4)
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
	Punctelia rudecta	6707			1..2..3		1..2..3		1..2..3	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
14	Punctelia subrudecta	6711	3	42	1..2(3)	17	1(2)3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
	Ramalina americana	6901			1..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	
15	Usnea subfloridana	8072	1	12	(1)2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
16	Cladonia merochlorophaea	1227	1	31	(0)2..3		1..2..3		1..2..3	TLC Norochlorophaea
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only			1	1..2(3)		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities **PLOT PACKING SLIP** FHM, 1994

Pine Mtn @ Cabin Ridge

Plot hex number: #4 State: VA County: Grayson

T. Blevins

Date: July 19 1994 Crew Member's Name: S. Powers Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 1:50 am
Record the time lichen sampling ended: 2:58 pm
Total time spent sampling the plot: 1hr 8 min.

Comments about the plot, the lichens, the vegetation, and/or the weather:
Spruce/fir overstory with open yellow birch/maple understory. Sampling time was cut short by heavy Thunderstorm. Otherwise partly sunny.

Elev. 5340'

REMEMBER:
Record the abundance code on each bag!
Remember to look for the common species.
Try to put only one species in each bag.

Note! Had not observed a new species for 15 mins prior to ending time.

Lichens of Mt. Rogers
National Recreation Area

VIRGINIA. GRAYSON CO.:
Mt. Rogers NRA Plot No. 4 Elevation 5,340 ft

Approx. 0.75 mile S/SE of Mount Rogers summit on ridge to Pine Mountain & Cabin Ridge. Spruce/fir forest with yellow birch/maple. Site is near Appalachian Trail and approx. 6 miles W/SW of Troutdale.

Collected by Tom Blevins & Susan Powers
July 19, 1994 No. 4-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Lichen Identification Data Sheet
Jefferson National Forest --1994

Mt. Rogers National Recreation Area Plot. No. 5
State: Virginia
County: Smyth

5240'

Date: 21 July 95
Collector T. Robinson + S. Pawson
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	3	12	1(2)3	15	1..2(3)		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
2	Cetrelia chicitae	1102	3	26	1..2(3)	30	1(2)3	22	1(2)3	4 (2) 16 (3)
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
3	Cladonia bacillaris	1203	3	24	1..2(3)		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
4	Cladonia chlorophaea s.l.	1210	1	28	(1)2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
5	Cladonia floerkeana		2	20	1(2)3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
6	Cladonia squamosa	1236	4	19	(1)..2..3	10	(2)..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
7	Flavoparmelia caperata	2601	4	21	1..2(3)	12	(2)..2..3		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
8	Hypogymnia physodes	3116	3	9	1..2(3)		1..2..3		1..2..3	

Mt Logan #5 — Utah #5

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
9	Hypotrac. croceopustulata	3201	3	11	1..2..3	8	1..2..3	3	1..2..3	1 2 5 2
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
10	Hypotrachyna revoluta	3216	2	14	1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
11	Imshaugia aleurites	3301	3	12	1..2..3	18	1..2..3	17	1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
	Parmelia squarrosa	4805			1..2..3		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
12	Parmelinopsis horrescens	5101	3	9	1..2..3		1..2..3		1..2..3	
13	Parmelinopsis minarum	5102	2	4	1..2..3		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
14	Parmotrema arnoldii	5301	3	29	1..2..3		1..2..3		1..2..3	LV
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305			1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
	Phaeophyscia rubropulchra	5614			1..2..3		1..2..3		1..2..3	

MT Rogers #5 21 July 95

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
15	Pseudevernia cladonia	6301	3	16	1(2)..3	15	1(2)..3	14	1(2)..3	17 (3) 25 (1) 11(
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	12 (2)
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
16	Punctelia rudecta	6707	3	28	(2)..2..3		1..2..3		1..2..3	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
	Punctelia subrudecta	6711			1..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
17	Ramalina americana	6901	1	22	(1)..2..3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
18	Cladonia fasxeata	1244	1	27	(1)..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only			7	1..2(3)	6	1..2(3)		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities **PLOT PACKING SLIP** FHM, 1994

Plot hex number: Whitetop Mtn – Top #5 State: VA County: Smyth

Date: July 21, 1994 Crew Member's Name: T. Blevins S. Powers Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 9:12 am
Record the time lichen sampling ended: 11:04 am
Total time spent sampling the plot: 1hr 52 min.

Comments about the plot, the lichens, the vegetation, and/or the weather:
Spruce Forest (Overstory) with dense redspruce, Yellow birch, Mountain ash understory. Northern aspect. Elevation 5340'. Partly cloudy with fog moving in after approximately 2/3 of the survey complete.

REMEMBER:
Record the abundance code on each bag!
Remember to look for the common species.
Try to put only one species in each bag.

Lichens of Mt. Rogers National Recreation Area

VIRGINIA. SMYTH CO.:
Mt. Rogers NRA Plot No. 5 Elevation 5,340 ft
Whitetop Mountain, 1,000 ft W/NW of summit. Spruce forest with red spruce, yellow birch, mountain ash understory. Site is at end of FS Road 89 W of VA Route 600 and is approx. 10.6 miles W/SW of Troutdale.
Collected by Tom Blevins & Susan Powers
July 21, 1994 No. 5-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Whitetop Mtn. at Whitetop Creek

Lichen Identification Data Sheet
Jefferson National Forest --1994

Mt. Rogers National Recreation Area Plot. No. 6

Date: July 21, 1994

State: Virginia

County: Grayson

4920 ft

Collector T. Abercrombie + Stanley

Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
1	Anaptychia palmulata	301	2	11	1.(2).3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
2	Cetraria . oakesiana	1012	3	16	1..2.(3)	34	1.(2).3	24	1..2.(3)	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
3	Cetrelia chicitae	1102	3	25	1..2.(3)	15	1.(2).3		1..2..3	
4	Cetrelia olivetorum	1104	3	20	1..2.(3)		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
5	Everniastrum catawbiense	2501	1	22	(1)..2..3		1..2..3		1..2..3	
6	Flavoparmelia caperata	2601	4	4	(4)..2..3		1..2..3		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
7	Heterodermia obscurata	2816	3	8	1.(2).3	5	1..2(3)		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
8	Heterodermia squamulosa	2823	3	17	1.(2).3	12	1.(2).3	8	0 1..2..3	3(2) 2(1)
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
9	Hypogymnia physodes	3116	3	39	1..2.(3)	4	1..2.(3)		1..2..3	

Shelby #6 7/21/94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondyliophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
10	Lobaria pulmonaria	3905	3	22	1..2(3)	1	1(2)..3		1..2..3	
11	Lobaria quercizans	3906	3	23	1..2(3)	19	1(2)..3	18	1..2(3)	16(3)
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
12	Melanelia halei	4008	3	42	1..2(3)	32	1(2)..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
13	Parmelia squarrosa	4805	3	39	(c)1..2..3		1..2..3		1..2..3	
14	Parmelia sulcata	4806	3	13	1(2)..3	6	1..2(3)		1..2..3	
	Parmelieila coraillinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
	Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
15	Parmotrema crinitum	5305	3	9	1..2(3)		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
16	Parmotrema margaritatum	5318	2	31	1(2)..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
17	Parmotrema perlata	5303	3	26	1..2(3)		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
18	Phaeophyscia pusilloides	5613	2	4	1(2)..3		1..2..3		1..2..3	
	Phaeophyscia rubropulchra	5614			1..2..3		1..2..3		1..2..3	

white trip #6 7/21/94

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
19	Punctelia appalachensis	6701	3	29	1(2)3	27	1..2..(3)		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
20	Punctelia rudecta	6707	3	37	1(2)3	30	1(2)3	14	1(2)3	7(3)
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
21	Punctelia subrudecta	6711	3	27	(1)..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
22	Pyxine sorediata	6808	3	28	(1)..2..3	15	(1)..2..3	10	1..2(3)	
23	Ramalina americana	6901	2	41	1(2)3		1..2..3		1..2..3	
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
24	Usnea strigosa	8069	2	44	(1)..2..3	45-6	(1)..2..3		1..2..3	
25	Usnea subfloridana	8072	3	45	(1)2..3	45	1..2(3)	46	1(2)3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
26	Ramalina intermedia	6918	1	42	(1)2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only			38	1..2..(3)		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities **PLOT PACKING SLIP** FHM, 1994

Whitetop Mtn @ Whitetop Creek.

Plot hex number: #6 State: VA County: Grayson

Date: July 21, 1994 Crew Member's Name: T. Blevins S. Powers Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 12:47 pm
Record the time lichen sampling ended: 2:25 pm
Total time spent sampling the plot: 1hr 38 min

Comments about the plot, the lichens, the vegetation, and/or the weather:
Old Northern Hardwood site (Am. Beech, Yellow Birch, Sugar Maple Overstory). Dense Beech/Maple understory. Southeast aspect. Elevation 4920'. Partly cloudy. Sampling was stopped when no new lichen species were found after 15 mins of sampling. Dense overstory with small openings due to recently fallen trees.

REMEMBER:
Record the abundance code on each bag!
Remember to look for the common species.
Try to put only one species in each bag.

Lichens of Mt. Rogers National Recreation Area

VIRGINIA. GRAYSON CO.:
Mt. Rogers NRA Plot No. 6 Elevation 4,920 ft

Whitetop Mountain, 0.25 mi E of summit, SE slope above Whitetop Creek. Old northern hardwoods forest. Site is off of FS Road 89 W of VA Route 600 approx. 9.7 miles W/SW of Troutdale.

Collected by Tom Blevins & Susan Powers
July 21, 1994 No. 6-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Elkgarden

Lichen Identification Data Sheet
Jefferson National Forest --1994

Mt. Rogers National Recreation Area Plot. No. 7 Date: 7/22/94

State: Virginia Collector T. Browning + S. Rowden

County: Smyth 4426 Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
1	Anaptychia palmulata	301	3	47	(1)2..3	20	1..2(3)	15	(1).2..3	2 (8)
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
2	Cetraria . oakesiana	1012	4	24	(1)..2..3	10	1..2(3)		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
3	Cladonia caespiticia	1207	3	23	1..2(3)		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
4	Cladonia didyma	1243	3	35	1..2(3)		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
5	Cladonia macilenta	1225	3	40	1..2(3)		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
6	Flavoparmelia caperata	2601	4	13	(1)..2..3	7	1..2(3)		1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heterodерm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
7	Heterodermia obscurata	2816	2	48	1(2)..3	42	(1).2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
8	Heterodermia squamulosa	2823	3	36	1..2(3)		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
9	Hypogymnia physodes	3116	3	41	1..2(3)	8	1..2(3)		1..2..3	8 MJ

Eleyknolen #7 7/22/84

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
10	Hypotrachyna revoluta	3216	3	12	1..2(3)		1..2..3		1..2..3	
9	Hypotrachyna showmanii	3218	2	5	1(2)3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
11	Lobaria pulmonaria	3905	2	33	1(2)3		1..2..3		1..2..3	
12	Lobaria quercizans	3906	1	14	1..2(3)		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
13	Melanelia halei	4008	2	15	1(2)3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
14	Melochroa galbina	4202	1	45	(1).2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
15	Parmelia squarrosa	4805	3	38	1..2(3)	16	1(2)3	17	1..2(3)	18 (3)
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
	Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
	Parmotrema crinitum	5305	3	6	1..2(3)		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
	Phaeophyscia rubropulchra	5614			1..2..3		1..2..3		1..2..3	

Elk Garden #7 7/22/94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702	2	11	1(2)..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
17	Physcia stellaris	5723	2	50	1(2)..3	31	(1)2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
18	Platismatia tuckermannii	6106	2	9	1(2)..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
19	Punctelia appalachensis	6701	1	1	1..2(3)		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
20	Punctelia rudecta	6707	3	3	1..2(3)		1..2..3		1..2..3	
21	Punctelia semansiana	6708	1	42	(1)2..3		1..2..3		1..2..3	
	Punctelia subrudecta	6711			1..2..3		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
22	Ramalina americana	6901	3	46	1(2)3	44	(1)2..3	41	(1)2..3	44(2) 37(1) 27(2) 28(2) 26(1) 30(1) 25(1)
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
	Usnea strigosa	8069			1..2..3		1..2..3		1..2..3	
24	Usnea subfloridana	8072	3	29	(1)2..3	32	1..2(3)		1..2..3	
	Usnea subscabrosa	8076			1..2.		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
25	Cladonia furcata	1244	1	35	(1)2..3		1..2..3		1..2..3	
26	Parmelia fertilis	4801	2	14	1(2)3		1..2..3		1..2..3	
27	Punctelia rudecta	6707	3	18	(1)2..3	4	1..2(3)		1..2..3	
					1 .3		1..2..3		1..2..3	
					1..2.		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only			21	1..2(3)		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities **PLOT PACKING SLIP** FHM, 1994

Plot hex number: Elk Garden #7 State: VA County: Smyth

Date: 7/22/94 Crew Member's Name: T. Blevins S. Powers Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 9:30 am
Record the time lichen sampling ended: 11:30 am
Total time spent sampling the plot: 2 hours

Comments about the plot, the lichens, the vegetation, and/or the weather: and beech. Predominantly a Sugar Maple Stand with some Ash and yellow buckeye. Fairly open understory. This area is used as a sugar maple tapping area to collect sap for maple syrup production. Elevation is 4420' and is on a NE Aspect.

REMEMBER:
Record the abundance code on each bag!
Remember to look for the common species.
Try to put only one species in each bag.

Weather was cloudy with some early sprinkles.

Lichens of Mt. Rogers National Recreation Area

VIRGINIA. SMYTH CO.:
Mt. Rogers NRA Plot No. 7 Elevation 4,420 ft
Elk Garden, approx. 600 ft NW of VA Route 600 at its intersection with Appalachian Trail. Predominantly a sugar maple stand with some ash and yellow buckeye. Site is approx. 9 miles W/SW of Troutdale.

Collected by Tom Blevins & Susan Powers
July 22, 1994 No. 7-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Elk Garden Trail - bottom

Lichen Identification Data Sheet
Jefferson National Forest --1994

t. Rogers National Recreation Area Plot. No. 8
ate: Virginia
County: Smyth

1800 ft

Date: 7/28/94
Collector Tim Ellis, Mike Evans, Shawn
Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
1	Anaptychia palmulata	301	4	18	1(2)..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
2	Cetraria . oakesiana	1012	3	30	1..2(3)	4	1..2(3)		1..2..3	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
3	Cetrelia chicitae	1102	3	14	1..2(3)	24	1..2(3)		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
4	Cladonia caespiticia	1207	3	22	(1)2..3	2	1..2(3)	3	1..2(3)	
5	Cladonia chlorophaea s.l.	1210	2	34	1(2)3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
6	Flavoparmelia caperata	2601	3	8	1..2(3)		1..2..3		1..2..3	8 NP3
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
7	Heterodermia speciosa	2822	1	16	(0)..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
	Hypogymnia physodes	3116			1..2..3		1..2..3		1..2..3	

Clendon Trail #8 7/28/94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
8	Hypotrachyna showmanii	3218	1	6	1.(0).3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
9	Melanelia halei	4008	3	15	1..2(3)		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
10	Menegazzia terebrata	4101	3	32	1..2(3)		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
11	Parmelia squarrosa	4805	3	13	1..2(3)		1..2..3		1..2..3	
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
12	Parmelinopsis horrescens	5101	3	27	1..2(3)		1..2..3		1..2..3	
13	Parmelinopsis minarum	5102	1	10	(1)..2..3		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
14	Parmotrema crinitum	5305	3	31	1..2(3)	1	1..2(3)		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
	Parmotrema perlata	5303			1..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
15	Phaeophyscia pusilloides	5613	3	11	(0)..2..3		1..2..3		1..2..3	
16	Phaeophyscia rubropulchra	5614	3	11	1..2(3)	17	1..2(3)		1..2..3	

Elk Garden Trail #8 7/28/94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
17	Platismatia tuckermannii	6106	2	21	1(2)3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
	Punctelia rudecta	6707			1..2..3		1..2..3		1..2..3	
18	Punctelia semansiana	6708	3	5	1..2(3)		1..2..3		1..2..3	
19	Punctelia subrudecta	6711	3	26	1..2(3)		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
20	Ramalina americana	6901	3	20	1(2)3	25	1(2)3	27	1..2(3)	2 1 (2)
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
21	Rimelia reticulata	7104	3	9	1..2(3)		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimella subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
22	Usnea strigosa	8069	2	19	(1)2..3	12	(1)2..3	33	1..(2)3	
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
4	Parmeliopsis sp	5100	3	28	1..2(3)	7	1(2)3		1..2..3	RC A
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities **PLOT PACKING SLIP** FHM, 1994

Plot hex number: Plot #8 State: VA County: Smyth

Date: 7/28/94 Crew Member's Name: Tim Eling, Mike S. Powers Evans - Helpers Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 10:10 a.m.
Record the time lichen sampling ended: 12:05 p.m.
Total time spent sampling the plot: 1:55 min

Comments about the plot, the lichens, the vegetation, and/or the weather:
Plot was located in a cove area on a North/West aspect. Lichen diversity was very poor. Abundance poor. Area very moist. It was sunny when we started but became very cloudy by the end of the plot. Elev. 3,800

REMEMBER:
Record the abundance code on each bag!
Remember to look for the common species.
Try to put only one species in each bag.

Tree Species: Sugar maple, Ash, Cherry, Cucumber, Fraser Magnolia, Yellow Birch, Black Birch Buckeye, Hemlock, locust Red maple.

Lichens of Mt. Rogers National Recreation Area

VIRGINIA. SMYTH CO.:
Mt. Rogers NRA Plot No. 8 Elevation 3,800 ft

Approx. 250 ft SE of FS Road FH17/VA Route 600--along 3,800 ft contour line S of Elk Garden Trail Head (No. 4537) and NE of Big Branch. Cove forest of hardwoods and hemlock. Approx. 9.2 miles W/SW of Troutdale.

Collected by Tom Blevins & Susan Powers
July 22, 1994 No. 8-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Little Wilson Creek

Lichen Identification Data Sheet
Jefferson National Forest --1994

t. Rogers National Recreation Area Plot. No. 9 Date: 7/25/94

ite: Virginia Collector T. Fleming S. Mowery

ounty: Grayson 3560 ft Lichen Specialist J. Dey

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	3	27	1..2(3)	44	1..2(3)	41	1..2(3)	
	Cetraria orbata	1013			1..2..3		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
2	Cetrelia chicitae	1102	3	8	1..2(3)		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
	Cladonia caespiticia	1207			1..2..3		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
3	Cladonia didyma	1243	3	17	1..2(3)		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
	Cladonia macilenta	1225			1..2..3		1..2..3		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228			1..2..3		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2..3		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
	Everniastrum catawbiense	2501			1..2..3		1..2..3		1..2..3	
4	Flavoparmelia caperata	2601	4	4	(0)..2..3	5	1..2(3)	12	(4)1..2..3	
	Flavopunctelia flaventior	2702			1..2..3		1..2..3		1..2..3	
	Heteroderm. appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
5	Heterodermia leucomelos	2814	2	46	1..(2)3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110			1..2..3		1..2..3		1..2..3	
6	Hypogymnia physodes	3116	2	9	1..(2)3		1..2..3		1..2..3	

Little Wilson Creek #9 7/25/94

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
7	Imshaugia aleurites	3301	3	39	1..2(3)		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
	Melanelia halei	4008			1..2..3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
8	Menegazzia terebrata	4101	3	31	1..2(3)		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
	Melochroa galbina	4202			1..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
9	Parmelia squarrosa	4805	3	9	1..2(3)	14	1..2(3)	34	1..2(3)	29(3) 11(3)
	Parmelia sulcata	4806			1..2..3		1..2..3		1..2..3	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
10	Parmelinopsis horrescens	5101	3	18	1(2)3	36	1..2(3)		1..2..3	
11	Parmelinopsis minarum	5102	2	32	1(2)3		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
12	Parmotrema crinitum	5305	3	33	(0)1..2..3		1..2..3		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
13	Parmotrema hypotropum	5314	1	9	1(2)3		1..2..3		1..2..3	
14	Parmotrema margaritatum	5318	3	74	1..2(3)		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
15	Parmotrema perlata	5303	1	33	(1)..2..3	20	1(2)3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
	Phaeophyscia pusilloides	5613			1..2..3		1..2..3		1..2..3	
16	Phaeophyscia rubropulchra	5614	3	12	1..2(3)		1..2..3		1..2..3	

Little Wilson Creek #9 7/25/94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
17	Physcia stellaris	5723	2	16	1(2)3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
	Platismatia tuckermannii	6106			1..2..3		1..2..3		1..2..3	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
	Punctelia rudecta	6707			1..2..3		1..2..3		1..2..3	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
18	Punctelia subrudecta	6711	2	17	1..2(3)		1..2..3		1..2..3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
19	Ramalina americana	6901	3	10	(1)2..3	22	1(2)3	26	1..2(3)	20(3) 21(2) 44(3) 45(2) 58(3)
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
20	Rimelia reticulata	7104	3	4	1..2(3)	6 4	1..2(3)		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimella subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
21	Usnea ceratina	8014	1	47	(1)2..3	48	(1)2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
22	Usnea hesperina	8040	3	23 4	1..2(3)		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
23	Usnea rubicunda	8063	3	28	1..2(3)	4 6	1..2(3)		1..2..3	
24	Usnea strigosa	8069	3	14	1(2)3	43	(1)2..3	50	1(2)3	49(1)
	Usnea subfloridana	8072			1..2..3		1..2..3		1..2..3	
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	
25	Parmeliopsis sp.	5100	3	35	1(2)3	9	1..2(3)		1..2..3	A + C
26	Umbilicaria mammulata		1	25	(1)2..3		1..2..3		1..2..3	
	Usnea sp	Usnea	1	24	(1)2..3		1..2..3		1..2..3	too sketchy
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only			15	1..2(3)		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities **PLOT PACKING SLIP** FHM, 1994

Plot hex number: 9 State: VA County: Grayson

Date: 7/25/94 Crew Member's Name: S. Powers T. Blevins Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 9:00 am
Record the time lichen sampling ended: 10:45 am
Total time spent sampling the plot: 1hr 45min

Comments about the plot, the lichens, the vegetation, and/or the weather:
Mixed Oak Overstory with dense rhododendron understory.
Partly Cloudy. Elev. 3560' SW Aspect

REMEMBER:
- Record the abundance code on each bag!
- Remember to look for the common species.
- Try to put only one species in each bag.

Lichens of Mt. Rogers National Recreation Area

VIRGINIA. GRAYSON CO.:
Mt. Rogers NRA Plot No. 9 Elevation 3,560 ft

Near Little Wilson Creek, 500 ft N of junction with Big Wilson Creek, below Bearpen Ridge in Little Wilson Creek Wilderness. Mixed oak forest with rhododendron understory. Approx. 4.8 miles S/SW of Troutdale.

Collected by Tom Blevins & Susan Powers
July 25, 1994 No. 9-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia

Cabin Creek

Lichen Identification Data Sheet
Jefferson National Forest --1994

Mt. Rogers National Recreation Area Plot. No. 1C
State: Virginia
County: Grayson

Date: 7/25/94
Collector T. Lewis & S. Powers
Lichen Specialist J. Dey

4880 ft

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Anaptychia palmulata	301			1..2..3		1..2..3		1..2..3	
	Anzia copodes	402			1..2..3		1..2..3		1..2..3	
	Bryoria bicolor	602			1..2..3		1..2..3		1..2..3	
	Bryoria furcellata	609			1..2..3		1..2..3		1..2..3	
	Candelaria concolor	8301			1..2..3		1..2..3		1..2..3	
	Candelaria fibrosa	8302			1..2..3		1..2..3		1..2..3	
	Canoparmelia caroliniana	802			1..2..3		1..2..3		1..2..3	
	Cetraria americana				1..2..3		1..2..3		1..2..3	
	Cetraria ciliaris	1006			1..2..3		1..2..3		1..2..3	
	Cetraria . fendleri	1008			1..2..3		1..2..3		1..2..3	
1	Cetraria . oakesiana	1012	3	9	1..2(3)	14	1..2(3)	38	1..2(3)	
2	Cetraria orbata	1013	3	10	1..2(3)		1..2..3		1..2..3	
	Cetrelia cetrarioides s.l.	1101			1..2..3		1..2..3		1..2..3	
	Cetrelia chicitae	1102			1..2..3		1..2..3		1..2..3	
	Cetrelia olivetorum	1104			1..2..3		1..2..3		1..2..3	
	Cladonia bacillaris	1203			1..2..3		1..2..3		1..2..3	
3	Cladonia caespiticia	1207	3	18	1..2..(3)		1..2..3		1..2..3	
	Cladonia chlorophaea s.l.	1210			1..2..3		1..2..3		1..2..3	
	Cladonia coniocraea	1211			1..2..3		1..2..3		1..2..3	
	Cladonia cristatella	1212			1..2..3		1..2..3		1..2..3	
	Cladonia cylindrica	1214			1..2..3		1..2..3		1..2..3	
	Cladonia didyma	1243			1..2..3		1..2..3		1..2..3	
	Cladonia floerkeana				1..2..3		1..2..3		1..2..3	
4	Cladonia macilenta	1225	3	18	(3)..2..3	26	1..2(3)		1..2..3	
	Cladonia mateocyatha	1245			1..2..3		1..2..3		1..2..3	
	Cladonia ochrochlora	1228	3	39	1..2(3)		1..2..3		1..2..3	
	Cladonia parasitica	1229			1..2..3		1..2..3		1..2..3	
	Cladonia peziziformis	1242			1..2..3		1..2..3		1..2..3	
	Cladonia ramulosa(pityrea)	1234			1..2		1..2..3		1..2..3	
	Cladonia ravenelii				1..2..3		1..2..3		1..2..3	
	Cladonia simulata	1246			1..2..3		1..2..3		1..2..3	
	Cladonia squamosa	1236			1..2..3		1..2..3		1..2..3	
	Cladonia subradiata				1..2..3		1..2..3		1..2..3	
	Cladonia vulcanica				1..2..3		1..2..3		1..2..3	
	Coccocarpia erthroxyli	1303			1..2..3		1..2..3		1..2..3	
	Coccocarpia palmicola	1304			1..2..3		1..2..3		1..2..3	
	Collema conglomeratum				1..2..3		1..2..3		1..2..3	
	Collema nigrescens	1412			1..2..3		1..2..3		1..2..3	
	Collema subflaccidum	1415			1..2..3		1..2..3		1..2..3	
6	Everniastrum catawbiense	2501	2	2	1(2)3		1..2..3		1..2..3	
7	Flavoparmelia caperata	2601	4	10	1..(2)3	13	(4)..2..3	3	1..2(3)	22(4) 7(3)
8	Flavopunctelia flaventior	2702	3	35	1..2(3)		1..2..3		1..2..3	
	Heterodermia appalachensis	2802			1..2..3		1..2..3		1..2..3	
	Heterodermia casarettiana	2804			1..2..3		1..2..3		1..2..3	
	Heterodermia crocea	2806			1..2..3		1..2..3		1..2..3	
	Heterodermia granulifera	2812			1..2..3		1..2..3		1..2..3	
	Heterodermia hypoleuca	2813			1..2..3		1..2..3		1..2..3	
	Heterodermia leucomelos	2814			1..2..3		1..2..3		1..2..3	
	Heterodermia microphylla				1..2..3		1..2..3		1..2..3	
	Heterodermia obscurata	2816			1..2..3		1..2..3		1..2..3	
	Heterodermia speciosa	2822			1..2..3		1..2..3		1..2..3	
	Heterodermia squamulosa	2823			1..2..3		1..2..3		1..2..3	
	Hyperphyscia adglutinata	2901			1..2..3		1..2..3		1..2..3	
	Hyperphyscia syncolla				1..2..3		1..2..3		1..2..3	
	Hypogymnia krogiae	3110	3	16	1..2(3)		1..2..3		1..2..3	
	Hypogymnia physodes	3116	4	11	1(2)3		1..2..3		1..2..3	

Cabin Creek #10 7/25/94

	Species name	Data to enter Sp. code	Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Hypotrac. croceopustulata	3201			1..2..3		1..2..3		1..2..3	
	Hypotrac. gondylophora	3205			1..2..3		1..2..3		1..2..3	
	Hypotrachyna livida	3208			1..2..3		1..2..3		1..2..3	
	Hypotrachyna novella				1..2..3		1..2..3		1..2..3	
	Hypotrachyna osseoalba	3210			1..2..3		1..2..3		1..2..3	
	Hyptrachyna pustulifera	3215			1..2..3		1..2..3		1..2..3	
	Hypotrachyna revoluta	3216			1..2..3		1..2..3		1..2..3	
	Hypotrachyna showmanii	3218			1..2..3		1..2..3		1..2..3	
	Hypotrachyna thysanota	3220			1..2..3		1..2..3		1..2..3	
	Imshaugia aleurites	3301			1..2..3		1..2..3		1..2..3	
	Imshaugia placorodia	3302			1..2..3		1..2..3		1..2..3	
	Lept. austroamericana				1..2..3		1..2..3		1..2..3	
	Leptogium corticola	3609			1..2..3		1..2..3		1..2..3	
	Leptogium cyanescens	3611			1..2..3		1..2..3		1..2..3	
	Leptogium laceroides	3624			1..2..3		1..2..3		1..2..3	
	Leptogium teretiusculum				1..2..3		1..2..3		1..2..3	
	Lobaria pulmonaria	3905			1..2..3		1..2..3		1..2..3	
	Lobaria quercizans	3906			1..2..3		1..2..3		1..2..3	
	Lobaria ravenelii				1..2..3		1..2..3		1..2..3	
11	Melanelia halei	4008	2	19	1(2)3		1..2..3		1..2..3	
	Melanelia subaurifera	4015			1..2..3		1..2..3		1..2..3	
	Menegazzia terebrata	4101			1..2..3		1..2..3		1..2..3	
	Myelochroa aurulenta	4201			1..2..3		1..2..3		1..2..3	
12	Melochroa galbina	4202	3	46	(1)..2..3		1..2..3		1..2..3	
	Myelochroa metarevoluta	4203			1..2..3		1..2..3		1..2..3	
	Nephroma helveticum	4403			1..2..3		1..2..3		1..2..3	
	Pannaria leucophaea	4703			1..2..3		1..2..3		1..2..3	
	Pannaria leucosticta	4704			1..2..3		1..2..3		1..2..3	
	Pannaria rubiginosa	4711			1..2..3		1..2..3		1..2..3	
	Pannaria tavaresii	4713			1..2..3		1..2..3		1..2..3	
	Parmelia squarrosa	4805			1..2..3		1..2..3		1..2..3	
13	Parmelia sulcata	4806	3	40	1..2(3)	12	1(2)3	28	1..2(3)	
	Parmeliella corallinoides	4902			1..2..3		1..2..3		1..2..3	
	Parmeliella tryptophylla	4904			1..2..3		1..2..3		1..2..3	
	Parmelinopsis horrescens	5101			1..2..3		1..2..3		1..2..3	
	Parmelinopsis minarum	5102			1..2..3		1..2..3		1..2..3	
	Parmelinopsis spumosa	5104			1..2..3		1..2..3		1..2..3	
	Parmeliopsis hyperopta	5202			1..2..3		1..2..3		1..2..3	
	Parmotrema arnoldii	5301			1..2..3		1..2..3		1..2..3	
	Parmotrema austrosinese	5302			1..2..3		1..2..3		1..2..3	
14	Parmotrema crinitum	5305	4	23	(4)..2..3	4	1..2(3)		1..2..3	
	Parmotrema eurysacum	5310			1..2..3		1..2..3		1..2..3	
	Parmotrema cf gardneri	5328			1..2..3		1..2..3		1..2..3	
	Parmotrema hypotropum	5314			1..2..3		1..2..3		1..2..3	
	Parmotrema margaritatum	5318			1..2..3		1..2..3		1..2..3	
	Parmotrema mellissii	5319			1..2..3		1..2..3		1..2..3	
	Parmotrema michauxianum	5320			1..2..3		1..2..3		1..2..3	
	Parmotrema perforatum	5323			1..2..3		1..2..3		1..2..3	
15	Parmotrema perlata	5303	4	40	(4)..2..3		1..2..3		1..2..3	
	Parmotr. praesorediosum	5324			1..2..3		1..2..3		1..2..3	
	Parmotrema rampoddense	5326			1..2..3		1..2..3		1..2..3	
	Parmotrema rigidum	5327			1..2..3		1..2..3		1..2..3	
	Parmotrema stuppeum	5329			1..2..3		1..2..3		1..2..3	
	Parmotrema subtinctorum	5331			1..2..3		1..2..3		1..2..3	
	Parmotrema subsumptum				1..2..3		1..2..3		1..2..3	
	Parmotrema tinctorum	5333			1..2..3		1..2..3		1..2..3	
	Parmotrema ultralucens	5334			1..2..3		1..2..3		1..2..3	
	Parmotrema xanthinum	5335			1..2..3		1..2..3		1..2..3	
	Phaeophyscia adiastola	5601			1..2..3		1..2..3		1..2..3	
	Phaeophyscia ciliata	5603			1..2..3		1..2..3		1..2..3	
	Phaeophys. erythrocardia	5604			1..2..3		1..2..3		1..2..3	
16	Phaeophyscia pusilloides	5613	3	27	(3)..2..3		1..2..3		1..2..3	
17	Phaeophyscia rubropulchra	5614	3	27	1..2(3)	25	1..2(3)	42	(3)..2..3	

Cabin Creek #10 7/25/94

	Species name	Data to Sp. code	enter Abund.	Bag #	A	Bag #	A	Bag #	A	Comments
	Physcia aipolia	5702			1..2..3		1..2..3		1..2..3	
	Physcia americana	5704			1..2..3		1..2..3		1..2..3	
	Physcia crispa				1..2..3		1..2..3		1..2..3	
	Physcia millegrana	5716			1..2..3		1..2..3		1..2..3	
	Physcia neogaea	5718			1..2..3		1..2..3		1..2..3	
	Physcia stellaris	5723			1..2..3		1..2..3		1..2..3	
	Physciella chloantha				1..2..3		1..2..3		1..2..3	
	Physconia detersa	5901			1..2..3		1..2..3		1..2..3	
18	Platismatia tuckermannii	6106	3	30	(1)2..3	8	1..2(3)	33	1..2(3)	
	Pseudevernia cladonia	6301			1..2..3		1..2..3		1..2..3	
	Pseudevernia consocians	6302			1..2..3		1..2..3		1..2..3	
	Psudocyphellaria aurata				1..2..3		1..2..3		1..2..3	
	Psudocyphellaria crocata	6404			1..2..3		1..2..3		1..2..3	
	Punctelia appalachensis	6701			1..2..3		1..2..3		1..2..3	
	Punctelia bolliana	6702			1..2..3		1..2..3		1..2..3	
	Punctelia missouriensis	6705			1..2..3		1..2..3		1..2..3	
19	Punctelia rudecta	6707	3	31	1..2(3)	5	1..(2)	6	1..2(3)	
	Punctelia semansiana	6708			1..2..3		1..2..3		1..2..3	
20	Punctelia subrudecta	6711	3	17	1..2(3)	10	1..2(3)	44	1(2)3	
	Pyxine caesiopruinosa	6803			1..2..3		1..2..3		1..2..3	
	Pyxine sorediata	6808			1..2..3		1..2..3		1..2..3	
21	Ramalina americana	6901	3	45	1..2(3)	15	(1)2..3	29	1(2)3	32(1) 36(1)
	Ramalina stenospora	6932			1..2..3		1..2..3		1..2..3	
	Ramalina willeyi	6940			1..2..3		1..2..3		1..2..3	
	Rimelia cetrata	7101			1..2..3		1..2..3		1..2..3	
	Rimelia diffractaica	7103			1..2..3		1..2..3		1..2..3	
	Rimelia reticulata	7104			1..2..3		1..2..3		1..2..3	
	Rimelia simulans	7105			1..2..3		1..2..3		1..2..3	
	Rimelia subisidiosa	7106			1..2..3		1..2..3		1..2..3	
	Sticta weigelii	7506			1..2..3		1..2..3		1..2..3	
	Usnea aciculifera	8001			1..2..3		1..2..3		1..2..3	
	Usnea ceratina	8014			1..2..3		1..2..3		1..2..3	
	Usnea cornuta	8019			1..2..3		1..2..3		1..2..3	
	Usnea dasaea	8020			1..2..3		1..2..3		1..2..3	
	Usnea hesperina	8040			1..2..3		1..2..3		1..2..3	
	Usnea madeirensis	8047			1..2..3		1..2..3		1..2..3	
	Usnea mutabilis	8050			1..2..3		1..2..3		1..2..3	
	Usnea occidentalis	8054			1..2..3		1..2..3		1..2..3	
	Usnea rubicunda	8063			1..2..3		1..2..3		1..2..3	
22	Usnea strigosa	8069	3	54	1..2(3)	53	1..2(3)	51	1..2(3)	47(1) / (2)
23	Usnea subfloridana	8072	1	41	(1)2..3		1..2..3		1..2..3	49(1) 52(1)
	Usnea subscabrosa	8076			1..2..3		1..2..3		1..2..3	50(1) 21(1)
	Xanthoria candelaria	8201			1..2..3		1..2..3		1..2..3	48(1) 42(1)
	Vulpicida viridis	1020			1..2..3		1..2..3		1..2..3	17(1)
24	Rhizoc sp.		3	24	1..2(3)		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
	Usnea			43	1(2)3		1..2..3		1..2..3	for Natty
					1..2..3		1..2..3		1..2..3	
	Cladonia squamules only				1..2..3		1..2..3		1..2..3	squamules only-exclude
	Crustose lichen				1..2..3		1..2..3		1..2..3	crustose forms-exclude
	bryophyte				1..2..3		1..2..3		1..2..3	bryophyte-exclude
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	
					1..2..3		1..2..3		1..2..3	

Lichen Communities Cabin Creek **PLOT PACKING SLIP** FHM, 1994

Plot hex number: 10 State: VA T. Blevins County: Grayson

Date: July 25 94 Crew Member's Name: S. Powers Crew number: 1

This will be part of the permanent record for this plot. PLEASE COMPLETE IT FULLY!

Record the time lichen sampling began: 12:45 pm
Record the time lichen sampling ended: 2:45 pm
Total time spent sampling the plot: 2 hrs

Comments about the plot, the lichens, the vegetation, and/or the weather:
Mixed Red Spruce, Fir, Yellow Birch, Sugar Maple Overstory with Ash and service berry. Open understory
Elev. 4880'
SSW Aspect
Partly Cloudy.

REMEMBER:
Record the abundance code on each bag!
Remember to look for the common species.
Try to put only one species in each bag.

Lichens of Mt. Rogers National Recreation Area

VIRGINIA. GRAYSON CO.:
Mt. Rogers NRA Plot No. 10 Elevation 4,820 ft
Cabin Creek, 1,000 ft S of its junction with Virginia Highland Trail (No. 337) and just N of Grayson Highlands State Park Boundary. Mixed spruce, fir & hardwood forest. Approx. 6.3 miles SW of Troutdale.

Collected by Tom Blevins & Susan Powers
July 25, 1994 No. 10-

Identified by Jonathan P. Dey
Herbarium of Jefferson National Forest, Virginia