



# Inventory of Macrofungi in Four National Capital Region Network Parks

Natural Resource Technical Report NPS/NCRN/NRTR—2007/056



**ON THE COVER**

Penn State Mont Alto student Cristie Shull photographing a cracked cap polypore (*Phellinus rimosus*) on a black locust (*Robinia pseudoacacia*), Antietam National Battlefield, MD.

Photograph by: Elizabeth Brantley, Penn State Mont Alto

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## Executive Summary

Inventories of macrofungal species in four National Capital Region Network parks (Antietam National Battlefield, Catoctin Mountain Park, Chesapeake and Ohio Canal National Historical Park, and Prince William Forest Park) were conducted in 2005 and 2006 through repeated visits to permanent plots and forays. A total of 256 fungal taxa were identified. Species of *Marasmius*, *Polyporus*, *Trametes*, *Crepidotus*, *Pleurotus*, and *Schizophyllum* were found in every Park. Although there were similarities among Parks, each was unique. Prince William Forest Park had the greatest macrofungal diversity (148 taxa) and abundance of fruiting bodies (344 collected). Catoctin Mountain Park was nearly as rich (116 taxa from 329 collections). Chesapeake and Ohio Canal National Historical Park and Antietam National Battlefield were rich in *Schizophyllum* and *Marasmius*, but included fewer fungal taxa overall (54 from 126 collections and 53 from 105 collections, respectively). This document presents the lists of taxa found at these locations. A database developed by Geoffrey Sanders, Data Manager, National Capital Region, Center for Urban Ecology, contains additional information about the collections. Representative dried specimens and their corresponding *in situ* photographs have been vouchered and deposited with the National Park Service to allow future mycological studies. Given the tremendous diversity of fungi known to be present in the mid-Atlantic region, further inventory work would expand the understanding of macrofungi in these Parks.

## Acknowledgements

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## Introduction

Information on biodiversity is being obtained through inventories and long-term monitoring projects within the National Park Service. This knowledge will provide a framework for conservation efforts and natural resource management.

The goal of the National Park Service Inventory and Monitoring Program is to provide resource managers with information on selected biological resources for public education as well as management and research recommendations (<http://science.nature.nps.gov/im/index.cfm>). Congress authorized funding for the Inventory and Monitoring Program in 1999, from which 32 Inventory and Monitoring Networks arose. Identifying and monitoring indicators of ecosystem health and threats to natural resources are goals of the National Capital Region Network (NCRN). There are 11 National Park units administered within the NCRN: Antietam National Battlefield, Catoctin Mountain Park, Chesapeake and Ohio Canal National Historical Park, George Washington Memorial Parkway, Harpers Ferry National Historical Park, Manassas National Battlefield Park, Monocacy National Battlefield, National Capital Parks – East, Prince William Forest Park, Rock Creek National Park, and Wolf Trap National Park for the Performing Arts.

The purpose of this research was to establish baseline information on macrofungal taxa present in four National Capital Region Network parks: Antietam National Battlefield, Catoctin Mountain Park, Chesapeake and Ohio Canal National Historical Park, and Prince William Forest Park. No published information on macrofungal communities was available for any of these Parks.

Macrofungi represent a very large taxonomic group. The ephemeral nature of their fruiting bodies and their tendency to occur in patchy distributions make them difficult to inventory (Mueller et al. 2004). Species lists for locations typically come from forays where many people scan and collect from large areas over a short period of time (one to three days). This method provides a snapshot of the portion of the fungal community that was producing fruiting bodies in an area at that time. While forays provide good information, they have biases. Production of fruiting bodies by the fungal mycelium that inhabits the soil or organic materials is linked to rainfall and other factors that vary over time. Fruiting bodies that are larger or more conspicuously colored are collected more often in forays than smaller, less colorful ones. A second approach, systematic plot-based sampling, has been used successfully to survey macrofungi in the Indiana Sand Dunes National Lakeshore (Schmit et al. 1999). This inventory technique provides information on species abundance and frequency and allows comparisons between and within sites. We used a combination of foray and plot sampling techniques to maximize data collection in the Parks.

The goals of this project were to:

1. Conduct a literature review on macrofungi for each Park and surrounding areas.
2. Conduct inventories using repeated plot visits and forays over a two-year period.
3. Create a species list for each Park.
4. Voucher specimens with the National Park Service.

## Literature Review

Mycological literature is often taxonomic rather than ecological, making it difficult to determine which fungi should be expected in a specific area. We found recent guides on the mid-Atlantic and Northeastern regions of the United States by Barron (1999), Bessette, Bessette, and Fischer (1997, 2000) and Roody (2003) to be extremely useful. Other published and internet references also were used for identification purposes; these are listed in the Literature Cited section.

The Parks had limited information on previous macrofungal identification. Hood College professor Tina Gilliam submitted a macrofungal species list from a class visit to Catoctin Mountain Park in 1976. This list contained many of the same species that we found during the 2005 and 2006 visits to the Park. A volunteer reported on macrofungal species using a transect survey at Catoctin Mountain Park in the summer of 2004. An undated color two-sided handout titled “Mushrooms and Other Fungi of National Capital Region Parks” listing 18 species is available, but the only references are to the photo credits (Emily Johnson, Steven L. Stephenson, and Randy Darrah).

Foray records from two large organizations of mushroom enthusiasts are available online. The North American Mycological Association (NAMA; <http://www.namyco.org/>) runs annual forays that are attended by hundreds of people who spend one to several days searching for fungi. Many foray records are available in a searchable database maintained at the Field Museum of Chicago (<http://www.fieldmuseum.org/nama/>). Lists of fungi found at individual forays are also available (<http://collectivesource.com/fungi/nama/>). A smaller group, the NorthEast Mycological Federation (NEMF; <http://www.nemf.org/>) conducts similar events. Some of their foray lists are available online (<http://www.nemf.org/files/checklists/checklists.html>). In both cases, identifications are made or confirmed by professional mycologists. A compilation of references for taxa found in forays nearest the Parks is presented in Appendix A.

## National Capital Region Network Parks

Antietam National Battlefield ([www.nps.gov/anti](http://www.nps.gov/anti)) is managed within the historical context of General Robert E. Lee's first invasion of the North in September 1862 during the Civil War. The 805 ha park is located in the heart of Maryland surrounded by rolling hills dotted with farm fields and pastures reminiscent of the day of the battle. Patches of forests, open meadows, croplands, and karsts are found within the park.

Catoctin Mountain Park ([www.nps.gov/cato](http://www.nps.gov/cato)) originated as a Recreation Demonstration Area (RDA) under the National Industrial Recovery Act of 1933. Catoctin was transferred to the National Park Service in 1936. The park encompasses 2,351 ha of forested landscape located in the mountains of the Catoctin Ridge in the north-central portion of Maryland. Unique geological formations consisting of metamorphic sandstone and greenish-gray cliff-forming metabasalts occur in the park.

The Chesapeake and Ohio Canal National Historical Park ([www.nps.gov/choh](http://www.nps.gov/choh)) stretches along the Potomac River for 297 km from Washington, D.C. to Cumberland, MD. The 5,324 ha park cuts through four geographic provinces and includes riparian and upland habitat. Legislation

signed in 1924 set aside portions of this land to preserve forests and natural scenery. The park also contains caves, mines, and abandoned railroad tunnels.

Prince William Forest Park ([www.nps.gov/prwi](http://www.nps.gov/prwi)) is centered around the Quantico Creek watershed, which drains into the nearby Potomac River. Because the 7,205 ha park includes two physiographic provinces (Piedmont and Coastal Plain) and lies in the transition zone between northern and southern climates, it exhibits a wide range of habitats and vegetative communities. It is now the only natural area in the National Park System that contains a significant expanse of Piedmont Forest. The park contains several rare communities including a seepage swamp and remote stands of eastern hemlock that contain old growth specimens.

## Methods

### Site Selection

Researchers met with National Park Service resource managers at Antietam National Battlefield, Catoctin Mountain Park, Chesapeake and Ohio Canal National Historical Park, and Prince William Forest Park to determine the best locations for plot establishment and forays. Collection sites were selected to include typical or unique overstory (vegetation) and for simple access from roads or trails.

### **Antietam National Battlefield**

Figure 1 shows locations of plots and forays.

**North Woods:** The North Woods location was relatively flat with occasional limestone outcroppings. Tree species present on this site included hackberry (*Celtis occidentalis*), white ash (*Fraxinus americana*), northern red oak (*Quercus rubra*), bitternut hickory (*Carya cordiformis*), and black cherry (*Prunus serotina*). Hackberry and hickory made up the majority of the overstory, indicative of a mesic site. The understory contained eastern redcedar (*Juniperus virginiana*), multiflora rose (*Rosa multiflora*), mayapple (*Podophyllum peltatum*), jewelweed (*Impatiens capensis*), cohosh (*Caulophyllum* sp.), pokeweed (*Phytolacca americana*), honeysuckle (*Lonicera* sp.), black bugbane (*Actaea racemosa*), and wineberry (*Rubus phoenicolasius*). The plot location area was sprayed with glyphosate for herbaceous plant control in June 2006 (Calzarette, 2007).

**Snavelys Woods:** This area was farmed prior to designation as a National Battlefield. The overstory was composed of eastern redcedar, black walnut (*Juglans nigra*), white ash, American elm (*Ulmus americana*) and eastern redbud (*Cercis canadensis*). The overstory was predominantly small diameter eastern redcedar and black walnut, indicative of limestone-derived soils. This stand of trees was much younger than North Woods, with sparse understory vegetation. The plot was established on a fairly level site atop a small ridge.

**Foray locations:** In 2005, the foray was conducted with seven participants along Snavelys Ford Trail and in the vicinity of Burnside Bridge. In 2006, seven participants searched along the Snavelys Ford Trail for foray collections.

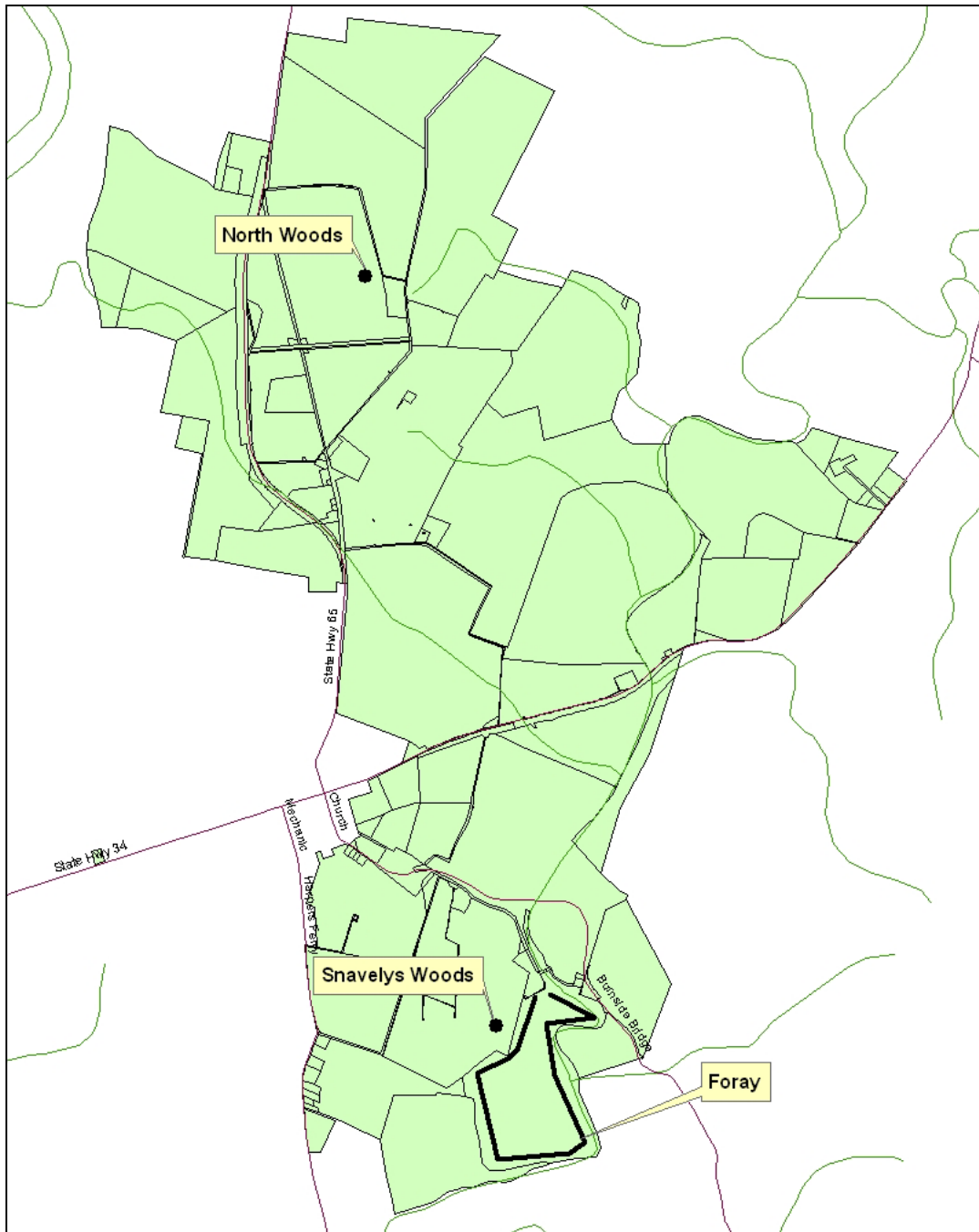


Figure 1. Location of plots and forays in Antietam National Battlefield.

### **Catoctin Mountain Park**

Figure 2 shows locations of plots and forays.

Owens Creek: The Owens Creek plot was located adjacent to the Deerfield Nature Trail. This was a flat, rocky, mesic site. The overstory consisted of large, mature sugar maple (*Acer saccharum*), black birch (*Betula lenta*), yellow-poplar (*Liriodendron tulipifera*), American basswood (*Tilia americana*) and shagbark hickory (*Carya ovata*). A hophornbeam (*Ostrya virginiana*) and spicebush (*Lindera benzoin*) midstory was present. Jack in the pulpit (*Arisaema triphyllum*) was frequent on the plot.

Chimney Rock: This plot was on a steep, south-facing, rocky slope. The overstory was dominated by yellow-poplar and mockernut hickory (*Carya tomentosa*). The midstory contained a clump of pawpaw (*Asimina triloba*) near a spring seep, and barberry (*Berberis* sp.) throughout the plot. The understory was sparse with the exception of Pennsylvania smartweed (*Polygonum pennsylvanicum*) and Japanese stiltgrass (*Microstegium vinimeum*). A high wind event uprooted several large trees on the plot after the July 2005 collection date.

Foray locations: In 2005 and 2006, forays were conducted in the vicinity of the Owens Creek Picnic Area and along Browns Farm Trail, with seven and three participants, respectively.

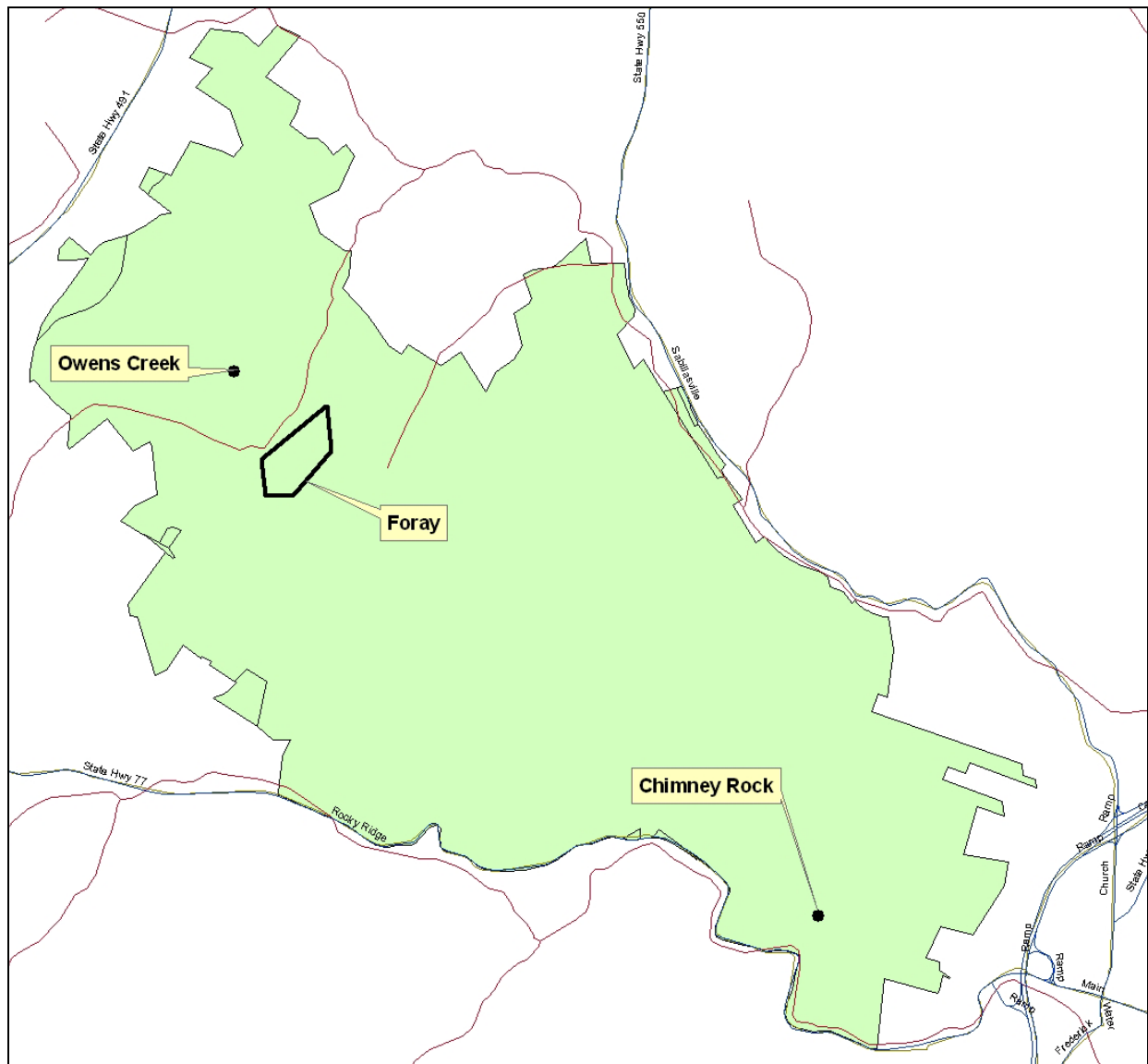


Figure 2. Location of plots and forays in Catoclin Mountain Park.

## **Chesapeake and Ohio Canal National Historical Park**

Figure 3 shows locations of plots and forays.

Snyders Landing: This plot was located in the drained bed of the canal itself, and therefore was a moist site. The overstory contained silver maple (*Acer saccharinum*) and boxelder (*Acer negundo*). There was one Kentucky coffeetree (*Gymnocladus dioicus*) on the plot. Pawpaw, spicebush, and Virginia creeper (*Parthenocissus quinquefolia*) were present in the midstory. The understory was dominated by garlic mustard (*Alliaria petiolata*) and ground ivy (*Glechoma hederacea*). A visit to this site in April 2006 revealed the presence of Virginia bluebells (*Mertensia virginica*), which were dormant by mid-summer, and therefore not observed during the macrofungal collections.

Fort Duncan: This plot was on the bluffs above the canal and the Potomac River, upslope from a pond and stream, and adjacent to an agricultural field. American sycamore (*Platanus occidentalis*), white ash, black cherry, sweet cherry (*Prunus avium*), ailanthus (*Ailanthus altissima*), American elm, and Virginia pine (*Pinus virginiana*) were present in the overstory. American sycamore and white ash were indicative of mesic soils. The midstory was sparse with an occasional flowering dogwood (*Cornus florida*), black cherry and sassafras (*Sassafras albidum*). Japanese stiltgrass and various ferns (multiple genera and species) were present in the understory.

Foray locations: In 2005 and 2006, forays were conducted along the walking path adjacent to the canal beginning at the Visitors Center in Williamsport, MD. In 2005, six participants searched for fungi, with three traveling north and three traveling south. Four participants searched to the south of the Visitors Center in 2006.

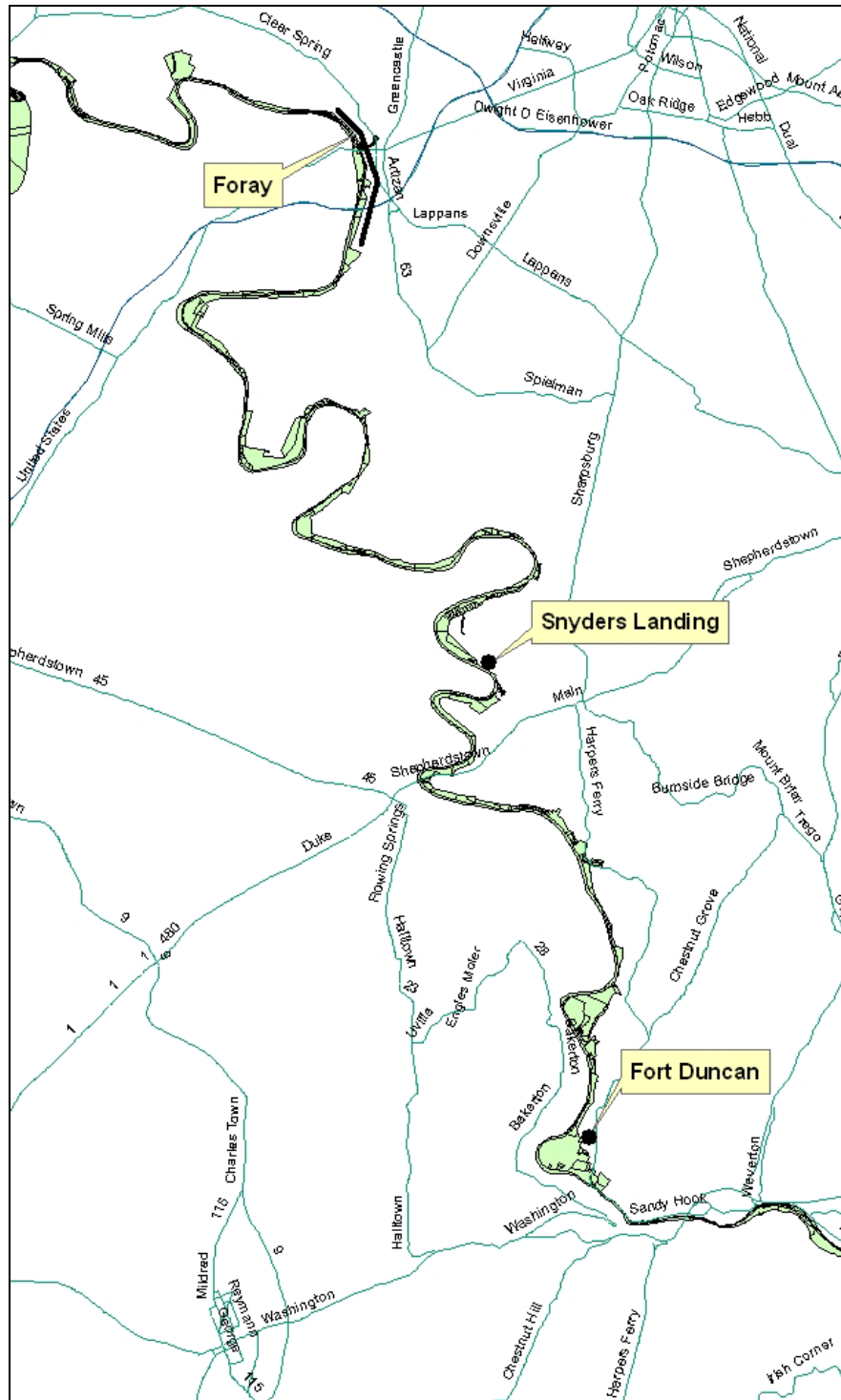


Figure 3. Location of plots and forays in Chesapeake and Ohio Canal National Historical Park.

### **Prince William Forest Park**

Figure 4 shows locations of plots and forays.

**Beech:** This plot was located at the junction of the High Meadows Trail and the Little Run Loop in a riparian area. The overstory consisted of large, mature American beech (*Fagus grandifolia*), yellow-poplar and American sycamore. A midstory of American beech and red maple (*Acer rubrum*) was present with occasional Christmas ferns (*Polystichum acrostichoides*) in the understory.

**Oak Ridge Campground:** This plot was located on the south side of the road connecting Scenic Drive and the Oak Ridge Campground. The vegetation was unlike any other plot we sampled. This was a dry, upland Piedmont forest type, with an overstory of Virginia pine (*Pinus virginiana*), scarlet oak (*Quercus coccinea*), and white oak (*Quercus alba*). A midstory of American holly (*Ilex opaca*), blackgum (*Nyssa sylvatica*), hickories (*Carya* spp.) was present. Understory vegetation was sparse but included black huckleberry (*Gaylussacia baccata*) and striped pipsissewa (*Chimaphila maculata*). A wildfire consumed most of the understory and midstory vegetation in late March 2006. Plants had resprouted during the ensuing months, but white-tailed deer (*Odocoileus virginianus*) browse was prevalent on the plot. We collected additional macrofungal specimens in July, August, September 2005, and September 2006 along the Farms to Forest Trail using a foray approach. This trail was in the immediate vicinity of Oak Ridge Campground.

**Foray locations:** In 2005, four participants collected specimens starting from the Turkey Run Education Center, traveling along Old Black Top Road and Taylor Farm Road to Scenic Drive. Two participants in 2006 searched along a loop from Scenic Drive parking area C along South Valley Trail to parking area B and back along Scenic Drive to parking area C.

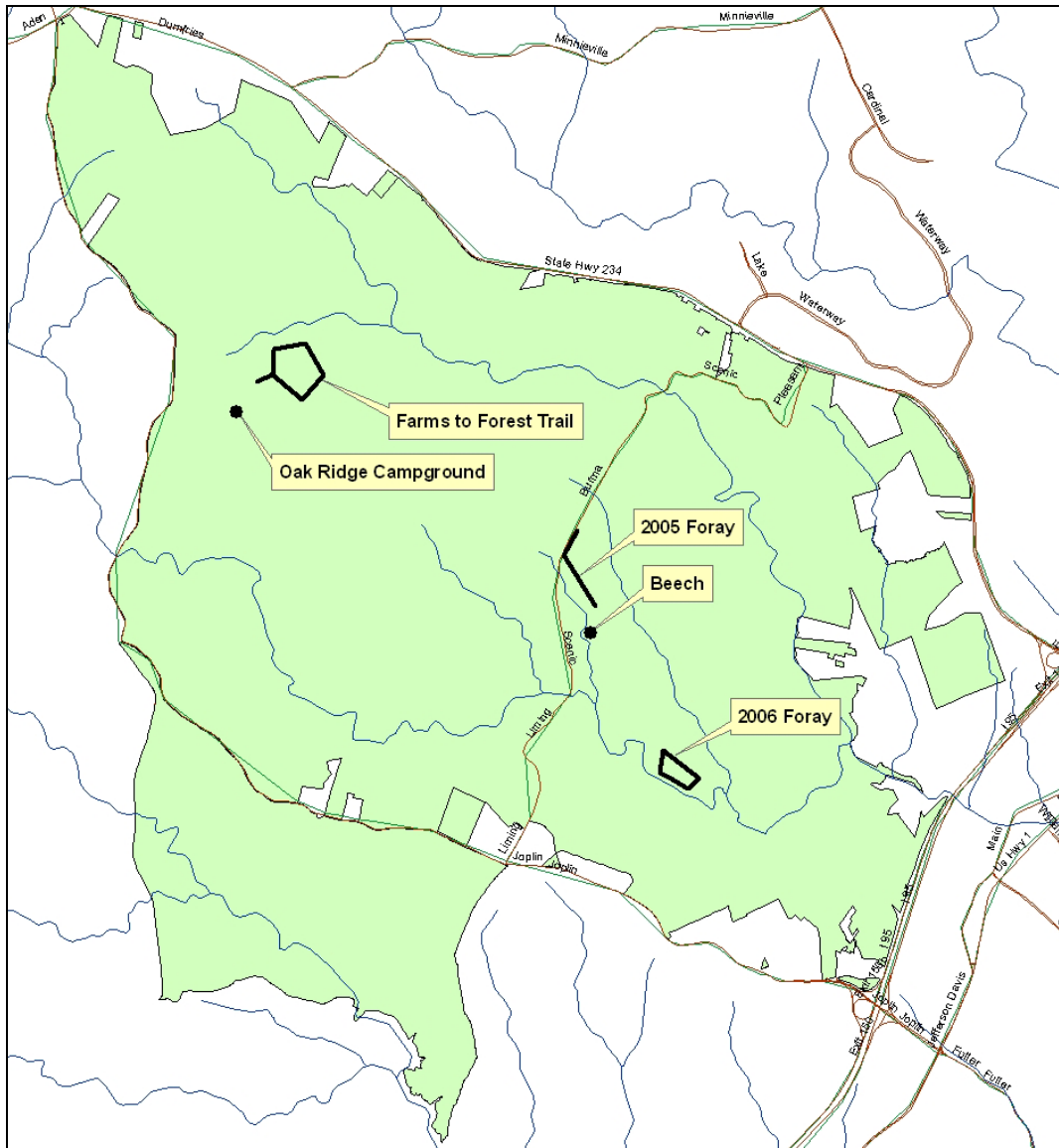


Figure 4. Location of plots and forays in Prince William Forest Park.

Figure 5 shows representative images of plots at each Network Park.



Antietam National Battlefield, North Woods



Catoctin Mountain Park, Chimney Rock



Chesapeake and Ohio Canal, Fort Duncan



Prince William Forest Park, Beech

Figure 5. Images of selected plots in the Parks.

## Inventory Techniques

### Plots

Using a compass and metric measuring tape, 20 m square plots (0.04 ha) were established at each location. Global Positioning Systems were used to identify plot locations. Edges were delineated with pin flags at each visit and plots were sampled using a strip cruise method. Representatives of each kind of macrofungus encountered were photographed, assigned a collection number, and collected for further evaluation (Figure 6). Notes were made on the collection tag about the form of the fruiting body, habitat in which the fungus was growing, and fungal substrates (e.g., soil, decaying hardwood). More extensive notes were taken on each fungus upon returning to Penn State Mont Alto. Specimens were dried and identified. Plots were visited three times between July and October 2005 and again in 2006. Additional fungi were collected in the general vicinity of the plots if they appeared to be different from those on the plots. These were collected and handled in the same way as plot fungi, but recorded as off-plot for their location.



Figure 6. Examples of macrofungal specimens collected in the field.

### Forays

Forays involved participants walking along a trail and collecting mushrooms over a two- to four-hour period. All specimens were handled following the same procedures as on the plots. One foray was conducted at each park in 2005 and 2006. In three parks, the same foray location was used both years. In Prince William Forest Park, foray locations differed between years.

### Specimen Identification

Specimens were identified using macroscopic and microscopic characteristics. Some specimens were too old or too young to determine a positive identification and were recorded as “No ID” in the database. Field guides, monographs and other references were used in the identification process (Arora 1986; Barron 1999; Bessette et al. 2000; Bessette et al. 1997; Farr et al. 1989; Fergus 1960; Fergus and Fergus 2003; Gilbertson and Ryvarden 1987a; Gilbertson and Ryvarden 1987b; Hepting 1971; Kuo 2006; Largent 1986; Largent and Baroni 1988; Largent and Thiers 1977; Lincoff 1981; Miller 1984; Miller and Miller 2006; Phillips 2005; Roody 2003; Overholts 1953; Tulloss and Yang 2006; Smith and Smith-Weber 2001). Most fungi do not have common names and are therefore referred to only by scientific name in this report.

## **Data Entry and Vouchering**

All data were entered into a Microsoft Access® database designed by Geoff Sanders, NPS Center for Urban Ecology. Consecutive National Park Service catalogue numbers were assigned to vouchered specimens within the database. Vouchered specimens (listed in Appendix B), collection tags, and photographs were packaged together and transferred to the National Park Service Central Repository. Specimens not used as vouchers were discarded after identification.

## **Results**

### **Antietam National Battlefield**

#### **2005**

Plot inventories were conducted at North Woods and Snavelys Woods on 7 July (11 specimens), 28 August (14 specimens) and 16 September (4 specimens) in 2005. An additional 4 specimens were collected off-plot in each of August and September. North Woods was consistently richer in fungi, with 19 specimens collected for the year. The site in Snavelys Woods yielded only 10 collections. A total of 37 specimens were collected on or near the plots.

The foray was conducted on 25 September 2005. Participants searched along the Snavely Ford Trail and near Burnside Bridge. A total of 17 specimens were collected during the foray.

In total, 30 taxa were represented in the 54 collections in 2005; 13 from North Woods, three from Snavelys Woods, eight off-plot, and 13 from the foray (Table 1). Twenty-four specimens were vouchered and assigned NPS Catalog numbers.

Table 1. Macrofungi collected at Antietam National Battlefield in 2005.  
NW = North Woods, SW = Snavelys Woods

| Fungus                         | Plots |    | Off-plot | Foray |
|--------------------------------|-------|----|----------|-------|
|                                | NW    | SW |          |       |
| <i>Armillaria mellea</i>       |       |    |          | 1     |
| <i>Auricularia auricula</i>    | 1     |    | 1        |       |
| <i>Calvatia craniiformis</i>   |       |    | 1        |       |
| <i>Cerrena unicolor</i>        |       |    |          | 1     |
| <i>Daedaleopsis confragosa</i> |       |    |          | 1     |
| <i>Daldinia concentrica</i>    |       |    | 1        |       |
| <i>Exidia alba</i>             |       |    | 1        |       |
| <i>Gloeoporus dichrous</i>     |       |    |          | 1     |
| <i>Hericium coralloides</i>    |       |    |          | 1     |
| <i>Hygrocybe</i> sp.           |       | 1  |          |       |
| <i>Hypoxylon multifforme</i>   | 1     |    |          |       |
| <i>Inocybe</i> sp.             | 1     |    |          |       |
| <i>Lentinellus ursinus</i>     |       |    | 1        |       |
| <i>Marasmius olidus</i>        | 1     |    |          |       |
| <i>Marasmius rotula</i>        | 3     |    |          |       |
| <i>Marasmius siccus</i>        | 1     |    |          |       |
| <i>Mycena leaiana</i>          | 1     |    |          |       |
| <i>Phellinus rimosus</i>       |       |    |          | 1     |
| <i>Pleurotus ostreatus</i>     |       |    |          | 1     |
| <i>Polyporus badius</i>        |       |    | 1        |       |
| <i>Polyporus elegans</i>       |       | 2  |          |       |
| <i>Polyporus mori</i>          | 1     |    |          | 1     |
| <i>Polyporus squamosus</i>     |       |    |          | 1     |
| <i>Schizophyllum commune</i>   | 2     | 1  |          | 1     |
| <i>Scleroderma areolatum</i>   | 1     |    |          |       |
| <i>Stereum hirsutum</i>        | 1     |    |          |       |
| <i>Stereum ostrea</i>          | 1     |    | 1        | 1     |
| <i>Trametes elegans</i>        |       |    |          | 3     |
| <i>Tremella mesenterica</i>    | 1     |    | 1        |       |
| <i>Xylaria polymorpha</i>      |       |    |          | 1     |
| Total collections identified   | 19    | 10 | 8        | 17    |

## 2006

Plot inventories were conducted at North Woods and Snavelys Woods on 17 July (19 specimens), 1 August (seven specimens), and 1 September (one specimen) in 2006. No fungi were collected off-plot. As in 2005, North Woods had more macrofungi present, with 21 of the 27 specimens for 2006. Seven specimens were vouchered from plots in 2006 and assigned NPS Catalog numbers.

The foray was conducted on 24 September 2006 with participants searching along the Snavely Ford Trail. A total of 24 specimens were collected during the foray.

Thirty-three taxa were identified from the 51 specimens collected in 2006; nine from North Woods, four from Snavelys Woods, and 19 from the foray (Table 2). Twenty-one specimens were vouchered and assigned NPS Catalog numbers.

Table 2. Macrofungi collected at Antietam National Battlefield in 2006.  
NW = North Woods, SW = Snavelys Woods

| Fungus                          | Plot<br>NW | SW | Off-plot | Foray |
|---------------------------------|------------|----|----------|-------|
| <i>Amanita flavorubescens</i>   | 1          |    |          |       |
| <i>Amanita volvata</i>          | 1          |    |          |       |
| <i>Auricularia auricula</i>     |            |    |          | 1     |
| <i>Austroboletus gracilis</i>   | 1          |    |          |       |
| <i>Bolbitius vitellinus</i>     |            |    |          | 1     |
| <i>Boletus fraternus</i>        | 1          |    |          |       |
| <i>Boletus pulverulentus</i>    |            |    |          | 1     |
| <i>Calvatia gigantea</i>        |            |    |          | 1     |
| <i>Clitocybe irina</i>          |            |    |          | 1     |
| <i>Crepidotus mollis</i>        | 1          | 1  |          |       |
| <i>Entoloma</i> sp.             | 1          |    |          |       |
| <i>Ganoderma applanatum</i>     |            |    |          | 1     |
| <i>Hohenbuehelia</i> sp.        |            | 1  |          |       |
| <i>Hygrophorus conicus</i>      |            | 3  |          |       |
| <i>Hygrophorus occidentalis</i> |            |    |          | 1     |
| <i>Lepiota</i> sp.              |            |    |          | 1     |
| <i>Lycoperdon pusillum</i>      |            |    |          | 1     |
| <i>Marasmius graminum</i>       |            |    |          | 1     |
| <i>Marasmius rotula</i>         | 2          |    |          |       |
| <i>Marasmius siccus</i>         |            |    |          | 1     |
| <i>Marasmius</i> spp.           | 1          |    |          | 3     |
| <i>Mycena luteopallens</i>      |            |    |          | 1     |
| <i>Nolanea</i> sp.              |            |    |          | 1     |
| <i>Phellinus rimosus</i>        |            |    |          | 1     |
| <i>Pleurotus ostreatus</i>      | 1          |    |          |       |
| <i>Polyporus squamosus</i>      |            |    |          | 1     |
| <i>Rhodotus palmatus</i>        |            |    |          | 1     |
| <i>Russula maculata</i> group   |            |    |          | 1     |
| <i>Schizophyllum commune</i>    |            | 1  |          |       |
| <i>Scleroderma areolatum</i>    | 2          |    |          |       |
| <i>Stereum ostrea</i>           | 3          |    |          |       |
| <i>Stropharia</i> sp.           |            |    |          | 1     |
| <i>Trametes elegans</i>         |            |    |          | 1     |
| Total collections identified    | 21         | 6  | 0        | 25    |

## **Catoctin Mountain Park**

### **2005**

Plot inventories were conducted at Owens Creek and Chimney Rock on 9 July (44 specimens), 7 August (33 specimens), and 2 September (54 specimens) in 2005. Off-plot, we collected an additional four specimens in August and six in September. A total of 142 specimens were collected on or near the plots. Owens Creek, the more mesic site, was richer with 90 of these collections.

The foray was conducted on 30 October 2005 in the vicinity of the Owens Creek Picnic Area and Browns Farm Trail. A total of 49 specimens were collected during the foray.

Ninety taxa were identified from the 191 specimens collected in 2005; 45 from Owens Creek, 30 from Chimney Rock, 10 off-plot, and 35 from the foray (Table 3). Seventy-three specimens were vouchered and assigned NPS Catalog numbers.

Table 3. List of macrofungi collected at Catoctin Mountain Park in 2005.  
OC = Owens Creek, CR = Chimney Rock

| Fungus                             | Plot<br>OC | CR | Off-plot | Foray |
|------------------------------------|------------|----|----------|-------|
| <i>Armillaria gallica</i>          |            |    |          | 1     |
| <i>Ascocoryne cylichnium</i>       |            |    |          | 1     |
| <i>Bisporella citrina</i>          |            |    |          | 1     |
| <i>Boletellus chrysenteroides</i>  | 1          |    |          |       |
| <i>Boletus chrysenteron</i>        |            |    | 1        |       |
| <i>Bondarzewia berkeleyi</i>       |            |    | 1        |       |
| <i>Chlorociboria aeruginascens</i> | 2          |    |          |       |
| <i>Clavulina cristata</i>          |            | 1  |          |       |
| <i>Clitocybe gibba</i>             | 2          |    |          |       |
| <i>Clitocybe</i> sp.               |            |    |          | 1     |
| <i>Collybia</i> sp.                | 1          |    |          |       |
| <i>Coprinus atramentarius</i>      |            | 1  |          |       |
| <i>Coprinus micaceus</i>           |            |    |          | 1     |
| <i>Cordyceps militaris</i>         | 1          |    |          |       |
| <i>Cortinarius</i> sp.             |            |    |          | 2     |
| <i>Crepidotus</i> sp.              |            | 1  |          |       |
| <i>Crucibulum laeve</i>            |            | 3  |          | 1     |
| <i>Daedaleopsis confragosa</i>     | 6          |    |          | 1     |
| <i>Daldinia concentrica</i>        | 1          | 1  |          | 1     |
| <i>Galerina autumnalis</i>         |            |    |          | 3     |
| <i>Galiella rufa</i>               | 1          | 1  |          |       |
| <i>Ganoderma applanatum</i>        |            | 1  |          |       |
| <i>Gymnopus dryophilus</i>         | 2          |    |          |       |
| <i>Gymnopus</i> sp.                | 1          |    |          |       |
| <i>Hygrocybe</i> sp.               |            | 1  |          |       |
| <i>Hygrophorus</i> sp.             | 3          |    |          |       |
| <i>Hypholoma sublateritium</i>     |            |    |          | 1     |
| <i>Hypoxylon multiforme</i>        | 1          |    |          |       |
| <i>Inocybe</i> sp.                 | 1          | 1  |          | 1     |
| <i>Ischnoderma resinosum</i>       |            |    |          | 1     |
| <i>Lepiota clypeolaria</i>         |            |    | 1        |       |
| <i>Lepiota</i> sp.                 | 1          |    |          | 2     |
| <i>Lycoperdon perlatum</i>         | 3          |    | 1        | 1     |
| <i>Lycoperdon pyriforme</i>        |            | 1  |          |       |
| <i>Lycoperdon umbrinum</i>         |            | 1  |          |       |
| <i>Marasmius delectans</i>         | 1          |    |          |       |
| <i>Marasmius epiphyllus</i>        |            | 1  |          |       |
| <i>Marasmius felix</i>             |            | 1  |          |       |
| <i>Marasmius pulcherripes</i>      |            |    |          |       |
| <i>Marasmius pyrocephalus</i>      |            | 1  |          |       |
| <i>Marasmius siccus</i>            | 2          | 1  |          |       |
| <i>Marasmius</i> spp.              | 6          | 3  |          | 3     |
| <i>Megacollybia platyphylla</i>    | 1          |    |          |       |
| <i>Micromphale foetidum</i>        | 1          |    |          |       |
| <i>Multiclavula mucida</i>         |            |    |          | 1     |

| Fungus                             | Plot<br>OC | CR | Off-plot | Foray |
|------------------------------------|------------|----|----------|-------|
| <i>Mycena leaiana</i>              | 3          |    |          |       |
| <i>Mycena luteopallens</i>         | 1          |    |          |       |
| <i>Mycena</i> sp.                  | 2          |    |          |       |
| <i>Oxyporus populinus</i>          |            |    | 1        |       |
| <i>Panellus stipticus</i>          | 1          |    |          |       |
| <i>Phaeomarasmium erinaceellus</i> |            | 1  |          |       |
| <i>Phellinus laevigatus</i>        | 1          |    |          |       |
| <i>Phellinus rimosus</i>           |            | 1  |          | 1     |
| <i>Pholiota aurivella</i>          |            |    |          | 2     |
| <i>Pholiota granulosa</i>          |            |    |          | 1     |
| <i>Phyllotopsis nidulans</i>       |            |    |          | 1     |
| <i>Pleurotus ostreatus</i>         | 1          | 1  |          | 1     |
| <i>Pluteus atricapillus</i>        | 1          | 1  |          |       |
| <i>Pluteus longistriatus</i>       | 1          |    |          |       |
| <i>Polyporus badius</i>            | 1          | 1  |          | 1     |
| <i>Polyporus brumalis</i>          |            |    |          | 1     |
| <i>Polyporus elegans</i>           |            | 1  |          |       |
| <i>Polyporus varius</i>            | 2          |    |          |       |
| <i>Psathyrella delineata</i>       |            | 1  |          | 1     |
| <i>Rhodocybe</i> sp.               |            | 1  |          |       |
| <i>Russula emetica</i>             |            |    | 1        |       |
| <i>Russula laurocerasi</i>         | 1          |    |          |       |
| <i>Russula mariae</i>              |            |    | 1        |       |
| <i>Russula</i> sp.                 | 2          | 1  | 1        |       |
| <i>Sarcoscypha occidentalis</i>    | 2          | 1  |          |       |
| <i>Schizophyllum commune</i>       | 2          | 2  |          | 1     |
| <i>Scleroderma areolatum</i>       |            | 1  |          |       |
| <i>Scleroderma citrinum</i>        | 1          |    |          |       |
| <i>Scleroderma</i> sp.             |            |    |          | 1     |
| <i>Stereum hirsutum</i>            | 1          |    |          |       |
| <i>Stereum ostrea</i>              | 2          |    |          |       |
| <i>Stereum</i> sp.                 | 1          |    |          |       |
| <i>Strobilomyces floccopus</i>     | 1          |    | 1        |       |
| <i>Stropharia hardii</i>           | 1          |    |          |       |
| <i>Tectella patellaris</i>         | 1          |    |          | 1     |
| <i>Thelephora palmata</i>          | 1          |    |          |       |
| <i>Trametes elegans</i>            | 2          |    |          | 1     |
| <i>Trametes versicolor</i>         |            | 1  |          | 1     |
| <i>Tremella foliacea</i>           |            |    |          | 1     |
| <i>Tremella mesenterica</i>        |            |    |          | 1     |
| <i>Trichaptum bifforme</i>         |            |    |          | 1     |
| <i>Tyromyces chioneus</i>          |            |    |          | 1     |
| <i>Xeromphalina tenuipes</i>       |            | 1  |          |       |
| <i>Xerula furfuracea</i>           | 1          |    | 1        |       |
| <i>Xylaria polymorpha</i>          | 3          |    |          | 1     |
| Total collections identified       | 91         | 42 | 10       | 49    |

## 2006

Plot inventories were conducted at Owens Creek and Chimney Rock on 21 July (38 specimens), 5 August (22 specimens), and 17 September (58 specimens) in 2006. An additional one (August) and ten (September) specimens were collected off-plot. A total of 121 specimens were collected on or near the plots in 2006.

The foray was conducted on 20 October 2006 in the vicinity of the Owens Creek Picnic Area and along Browns Farm Trail. Seventeen specimens were collected during the foray.

Seventy taxa were represented in the 138 collections; 52 from Owens Creek, 17 from Chimney Rock, three off-plot, and 14 from the foray (Table 4). Twenty-eight specimens were vouchered and assigned NPS Catalog numbers.

Table 4. Macrofungi collected at Catoctin Mountain Park in 2006.  
OC = Owens Creek, CR = Chimney Rock

| Fungus                             | Plot<br>OC | CR | Off-plot | Foray |
|------------------------------------|------------|----|----------|-------|
| <i>Agaricus silvicola</i>          | 1          |    |          |       |
| <i>Agaricus</i> sp.                | 2          |    | 1        |       |
| <i>Amanita</i> sp.                 | 1          |    |          |       |
| <i>Auricularia auricula</i>        | 1          |    |          |       |
| <i>Bolbitius</i> sp.               |            | 2  |          |       |
| <i>Chlorociboria aeruginascens</i> | 1          |    |          |       |
| <i>Clavulina cinerea</i>           | 1          |    |          |       |
| <i>Clitocybe gibba</i>             | 1          |    |          |       |
| <i>Clitocybe</i> spp.              | 2          |    |          |       |
| <i>Coprinus micaceus</i>           | 1          |    |          |       |
| <i>Cordyceps militaris</i>         | 1          |    |          |       |
| <i>Cortinarius</i> spp.            | 2          |    |          | 2     |
| <i>Crepidotus applanatus</i>       | 1          |    |          |       |
| <i>Crepidotus crocophyllus</i>     | 1          |    |          |       |
| <i>Crepidotus mollis</i>           | 2          |    |          |       |
| <i>Crepidotus</i> spp.             | 3          |    |          |       |
| <i>Crucibulum laeve</i>            |            | 1  |          |       |
| <i>Daedaleopsis confragosa</i>     | 1          |    |          |       |
| <i>Daldinia concentrica</i>        |            |    | 1        | 1     |
| <i>Entoloma abortivum</i>          | 1          |    |          |       |
| <i>Galiella rufa</i>               | 1          |    |          |       |
| <i>Gymnopus dryophilus</i>         | 5          |    |          |       |
| <i>Hygrocybe</i> sp.               | 1          |    |          |       |
| <i>Hygrophoropsis aurantiaca</i>   | 1          |    |          |       |
| <i>Hygrophorus</i> sp.             | 1          |    |          |       |
| <i>Inocybe</i> sp.                 |            | 1  |          |       |
| <i>Lactarius peckii</i>            | 1          |    |          |       |
| <i>Lentinellus cochleatus</i>      | 1          |    |          |       |
| <i>Lentinellus omphalodes</i>      |            | 1  |          |       |
| <i>Lepiota</i> sp.                 | 1          | 1  |          |       |
| <i>Leptonia</i> sp.                | 1          |    |          |       |

| Fungus                          | Plot<br>OC | CR | Off-plot | Foray |
|---------------------------------|------------|----|----------|-------|
| <i>Lycoperdon pyriforme</i>     | 2          |    |          |       |
| <i>Lycoperdon umbrinum</i>      |            | 1  |          | 1     |
| <i>Marasmiellus nigripes</i>    | 2          | 1  |          |       |
| <i>Marasmius capillaris</i>     | 2          |    |          |       |
| <i>Marasmius delectans</i>      | 1          |    |          |       |
| <i>Marasmius pyrocephalus</i>   | 2          |    |          |       |
| <i>Marasmius rotula</i>         | 1          | 1  |          |       |
| <i>Marasmius siccus</i>         | 5          | 3  |          | 1     |
| <i>Marasmius</i> spp.           | 4          | 1  |          | 2     |
| <i>Megacollybia platyphylla</i> | 2          |    |          |       |
| <i>Microstoma floccosa</i>      | 1          |    |          |       |
| <i>Mycena luteopallens</i>      | 1          |    |          | 1     |
| <i>Mycena</i> sp.               | 1          | 1  |          |       |
| <i>Nolanea</i> sp.              | 2          |    |          |       |
| <i>Panellus stipticus</i>       | 1          |    |          |       |
| <i>Paxillus panuoides</i>       |            |    |          | 1     |
| <i>Phellinus rimosus</i>        |            |    |          | 1     |
| <i>Pleurotus ostreatus</i>      |            | 1  |          |       |
| <i>Plicaturopsis crispa</i>     |            |    |          | 1     |
| <i>Polyporus badius</i>         | 1          |    |          | 1     |
| <i>Polyporus varius</i>         | 2          |    |          |       |
| <i>Psathyrella</i> sp.          |            |    | 1        |       |
| <i>Russula emetica</i>          |            | 1  |          |       |
| <i>Russula sanguinea</i>        |            | 1  |          |       |
| <i>Russula</i> sp.              | 1          |    |          |       |
| <i>Sarcoscypha occidentalis</i> | 2          |    |          |       |
| <i>Schizophyllum commune</i>    |            | 2  |          |       |
| <i>Scleroderma areolatum</i>    | 2          |    |          |       |
| <i>Scleroderma citrinum</i>     | 1          |    |          |       |
| <i>Stereum ostrea</i>           | 2          |    |          | 1     |
| <i>Tectella patellaris</i>      | 1          |    |          |       |
| <i>Thelephora palmata</i>       | 1          |    |          |       |
| <i>Trametes versicolor</i>      | 1          |    |          | 1     |
| <i>Tremella mesenterica</i>     |            | 1  |          |       |
| <i>Trichaptum biforme</i>       | 1          |    |          |       |
| <i>Tricholoma</i> sp.           |            | 1  |          |       |
| <i>Tricholomopsis rutilans</i>  |            |    |          | 1     |
| <i>Tyromyces chioneus</i>       |            |    |          | 1     |
| <i>Xeromphalina tenuipes</i>    | 2          |    |          |       |
| Total collections               | 96         | 23 | 3        | 17    |

## Chesapeake and Ohio Canal National Historical Park

### 2005

Plot inventories were conducted at Fort Duncan and Snyders Landing on 17 July (19 specimens), 21 August (15 specimens), and 5 September (19 specimens) in 2005. Two specimens were collected off-plot, one each in July and September. A total of 55 specimens were collected on or near the plots. Fungal abundance was similar between plots, with 27 specimens from Fort Duncan and 26 from Snyders Landing.

The foray was conducted on 18 September 2005. Ten specimens were collected during the foray.

Twenty-six taxa were represented from the 65 specimens collected in 2005; 10 from Fort Duncan, 12 from Snyders Landing, two off-plot, and eight from the foray (Table 5). Thirty-seven specimens were vouchered and assigned NPS Catalog numbers.

Table 5. Macrofungi collected at Chesapeake and Ohio Canal National Historical Park in 2005.  
FTD = Fort Duncan, SL = Snyders Landing

| Fungus                           | Plot<br>FTD | SL | Off-plot | Foray |
|----------------------------------|-------------|----|----------|-------|
| <i>Auricularia auricula</i>      | 1           | 3  |          | 1     |
| <i>Bovista pila</i>              |             |    |          |       |
| <i>Cerrena unicolor</i>          |             |    |          | 1     |
| <i>Clavicornia pyxidata</i>      | 3           |    |          |       |
| <i>Coprinus micaceus</i>         |             | 1  |          |       |
| <i>Crepidotus mollis</i>         | 1           | 2  |          |       |
| <i>Exidia alba</i>               |             | 1  | 1        |       |
| <i>Ganoderma applanatum</i>      |             |    |          | 1     |
| <i>Lentinellus ursinus</i>       |             |    |          | 1     |
| <i>Lenzites betulina</i>         | 1           |    |          |       |
| <i>Marasmiellus candidus</i>     |             | 1  |          |       |
| <i>Marasmius rotula</i>          | 1           |    |          |       |
| <i>Marasmius</i> spp.            | 3           |    |          |       |
| <i>Megacollybia platyphylla</i>  |             | 1  |          |       |
| <i>Panellus stipticus</i>        |             | 1  |          |       |
| <i>Perenniporia robiniophila</i> |             |    |          | 1     |
| <i>Phellinus gilvus</i>          |             |    |          |       |
| <i>Pleurotus ostreatus</i>       |             |    |          |       |
| <i>Polyporus elegans</i>         | 3           |    |          |       |
| <i>Polyporus squamosus</i>       |             |    | 1        | 1     |
| <i>Schizophyllum commune</i>     | 3           |    |          |       |
| <i>Stereum ostrea</i>            |             | 4  |          |       |
| <i>Stereum</i> sp.               |             | 1  |          |       |
| <i>Trametes elegans</i>          | 3           | 2  |          | 1     |
| <i>Trichaptum bifforme</i>       | 2           | 3  |          |       |
| <i>Tyromyces chioneus</i>        |             | 1  |          | 1     |
| Total collections                | 26          | 27 | 2        | 10    |

**2006**

Plot inventories were conducted at Fort Duncan and Snyders Landing on 23 July (19 specimens), 13 August (two specimens), and 15 September (15 specimens) in 2006. An additional three (July) and seven (September) collections were made off-plot. Whereas the numbers of collections had been similar on the two plots in 2005, they differed in 2006 with numbers higher at Fort Duncan (25) than at Snyders Landing (11).

The foray was conducted on 29 October 2006 in the vicinity of the Owens Creek Picnic Area and along the Browns Farm Trail. A total of 15 specimens were collected during the foray.

Forty-two taxa were represented from the 61 collections; 16 from Fort Duncan, seven from Snyders Landing, nine off-plot, and 13 from the foray (Table 7). Twenty-seven specimens were vouchered and assigned NPS Catalog numbers.

Table 6. Macrofungi collected at Chesapeake and Ohio Canal National Historical Park in 2006.  
FTD = Fort Duncan, SL = Snyders Landing

| Fungus                           | Plot<br>FTD | SL | Off-plot | Foray |
|----------------------------------|-------------|----|----------|-------|
| <i>Agaricus campestris</i>       |             |    |          | 1     |
| <i>Amanita pantherina</i>        |             |    | 1        |       |
| <i>Armillaria mellea</i>         |             |    |          | 1     |
| <i>Auricularia auricula</i>      |             |    |          | 1     |
| <i>Cantharellus cinnabarinus</i> |             |    | 1        |       |
| <i>Clavicornia pyxidata</i>      | 1           |    |          |       |
| <i>Cortinarius camphoratus</i>   |             |    | 1        |       |
| <i>Crepidotus applanatus</i>     |             |    | 1        |       |
| <i>Crepidotus crocophyllus</i>   |             | 1  |          |       |
| <i>Cyathus striatus</i>          | 1           |    |          |       |
| <i>Exidia alba</i>               |             |    |          |       |
| <i>Galerina autumnalis</i>       |             |    |          | 1     |
| <i>Hygrophorus cantharellus</i>  | 1           |    |          |       |
| <i>Hypoxylon fragiforme</i>      |             |    |          | 1     |
| <i>Lepiota cepaestipes</i>       | 1           |    |          |       |
| <i>Leptonia formosa</i>          | 1           |    |          |       |
| <i>Leptonia rosea</i>            |             |    | 1        |       |
| <i>Leptonia serrulata</i>        |             |    | 1        |       |
| <i>Lycoperdon perlatum</i>       | 1           |    |          |       |
| <i>Marasmiellus candidus</i>     |             | 2  |          |       |
| <i>Marasmius capillaris</i>      | 1           |    |          |       |
| <i>Marasmius pyrrocephalus</i>   | 1           |    |          |       |
| <i>Marasmius rotula</i>          |             | 1  |          |       |
| <i>Marasmius</i> spp.            | 9           |    |          |       |
| <i>Omphalina</i> sp.             | 1           |    |          |       |
| <i>Phallus impudicus</i>         |             |    |          | 1     |
| <i>Phlebia tremellosa</i>        |             |    |          | 1     |
| <i>Pholiota squarrosoides</i>    |             |    |          | 1     |
| <i>Polyporus badius</i>          |             |    |          | 1     |
| <i>Polyporus elegans</i>         | 1           |    |          |       |
| <i>Polyporus</i> sp.             |             |    |          | 1     |
| <i>Schizophyllum commune</i>     |             | 1  |          |       |
| <i>Stereum ostrea</i>            |             | 2  |          |       |
| <i>Stropharia</i> sp.            |             |    |          | 1     |
| <i>Stropharia thrausta</i>       |             |    | 1        |       |
| <i>Trametes versicolor</i>       | 1           |    |          | 1     |
| <i>Tremella mesenterica</i>      | 1           | 1  |          |       |
| <i>Trichaptum bifforme</i>       | 1           | 2  |          |       |
| <i>Trichoglossum hirsutum</i>    | 1           |    |          |       |
| <i>Tricholoma</i> sp.            |             |    | 1        |       |
| <i>Tylopilus ferrugineus</i>     |             |    | 1        |       |
| <i>Tyromyces chioneus</i>        | 1           |    |          | 2     |
| Total collections identified     | 25          | 11 | 10       | 16    |

## Prince William Forest Park

### 2005

Plot inventories were conducted at Beech site and at Oak Ridge Campground on 13 July (28 specimens), 22-23 August (42 specimens), and 9-10 September (13 specimens) in 2005. Fungi were fruiting heavily and we collected additional fungi off-plot. Near the two plots, we collected 18 (July), 13 (August) and ten (September) specimens. Along the Farms to Forest Trail, we collected eight (July), 15 (August) and 11 (September) specimens. A total of 152 specimens were collected on these visits. The Beech Trail site and the Farms to Forest Trail were rich in fungi with 73 and 34 specimens respectively for 2005. In contrast, the Oak Ridge Campground plot, a very dry area, yielded only 10 collections for the year.

The foray was conducted on 8 October 2005 along Old Black Top Road. Unfortunately this followed a long stretch of very dry weather and only six specimens were collected.

Eighty-seven taxa were identified from the 158 collections in 2005; 39 from Beech, seven from Oak Ridge Campground, 32 off-plot, 21 off-plot Farms to Forest Trail, and six from the foray (Table 7). Seventy-nine specimens were vouchered and assigned NPS catalog numbers.

Table 7. Macrofungi collected at Prince William Forest Park in 2005.  
BE = Beech Trail, ORC = Oak Ridge Campground, F2F = Farms to Forest Trail

| Fungus                            | Plot<br>BE | ORC | Off-plot | Off-plot<br>F2F | Foray |
|-----------------------------------|------------|-----|----------|-----------------|-------|
| <i>Abortiporus fractipes</i>      | 1          |     |          |                 |       |
| <i>Agaricus silvaticus</i>        | 1          |     |          |                 |       |
| <i>Agaricus</i> sp.               | 1          |     |          |                 |       |
| <i>Alboleptonia sericella</i>     | 1          |     |          |                 |       |
| <i>Amanita caesarea</i>           |            |     | 1        |                 |       |
| <i>Amanita daucipes</i>           |            |     | 1        |                 |       |
| <i>Amanita polypyramis</i>        |            |     |          | 2               |       |
| <i>Amanita rubescens</i>          |            |     | 1        |                 |       |
| <i>Amanita</i> sp.                |            |     |          |                 | 1     |
| <i>Bolbitius vitellinus</i>       | 1          |     |          |                 |       |
| <i>Boletellus chrysenteroides</i> |            |     |          | 1               |       |
| <i>Boletinellus merulioides</i>   |            |     | 1        |                 |       |
| <i>Boletus frostii</i>            |            |     | 1        | 1               |       |
| <i>Boletus longicurvipes</i>      |            |     | 1        |                 |       |
| <i>Boletus pallidus</i>           | 1          |     |          |                 |       |
| <i>Boletus pseudosensibilis</i>   |            |     | 1        |                 |       |
| <i>Boletus rubropunctus</i>       |            |     |          | 1               |       |
| <i>Boletus subglabripes</i>       |            |     |          | 1               |       |
| <i>Bondarzewia berkeleyi</i>      |            |     | 1        | 1               |       |
| <i>Bothia castanella</i>          |            |     |          |                 |       |
| <i>Cantharellus cinnabarinus</i>  |            |     | 2        |                 |       |
| <i>Clavaria vermicularis</i>      | 1          |     |          |                 |       |
| <i>Clavulina cinerea</i>          |            |     |          |                 |       |
| <i>Clitocybe</i> sp.              |            |     | 1        |                 |       |

| Fungus                                            | Plot<br>BE | ORC | Off-plot | Off-plot<br>F2F | Foray |
|---------------------------------------------------|------------|-----|----------|-----------------|-------|
| <i>Coprinus</i> sp.                               |            |     | 1        |                 |       |
| <i>Cortinarius</i> spp.                           | 2          |     |          |                 |       |
| <i>Crepidotus applanatus</i>                      | 1          |     |          | 1               |       |
| <i>Crepidotus crocophyllus</i>                    | 1          |     |          |                 |       |
| <i>Crepidotus mollis</i>                          |            |     | 2        |                 |       |
| <i>Crepidotus</i> sp.                             | 1          |     |          |                 |       |
| <i>Crepidotus variabilis</i>                      | 1          |     |          |                 |       |
| <i>Fomitopsis cajanderi</i>                       |            |     | 2        | 1               |       |
| <i>Galiella rufa</i>                              | 2          |     |          |                 |       |
| <i>Ganoderma applanatum</i>                       |            |     | 1        |                 |       |
| <i>Humaria hemisphaerica</i>                      | 1          |     |          |                 |       |
| <i>Hygrocybe cantharellus</i>                     | 1          |     |          | 1               |       |
| <i>Hygrocybe subovina</i> /<br><i>subviolacea</i> | 1          |     |          |                 |       |
| <i>Hygrophoropsis aurantiaca</i>                  |            |     | 1        |                 |       |
| <i>Hymenochaete tabacina</i>                      |            | 1   |          |                 |       |
| <i>Inocybe lilacina</i>                           |            |     | 1        |                 |       |
| <i>Lactarius</i> sp.                              | 1          |     |          |                 |       |
| <i>Laetiporus sulphureus</i>                      |            | 1   |          |                 |       |
| <i>Lentinellus ursinus</i>                        | 1          |     |          |                 |       |
| <i>Lenzites betulina</i>                          |            |     |          | 1               | 1     |
| <i>Leotia lubrica</i>                             | 1          |     |          |                 |       |
| <i>Lepiota</i> sp.                                | 2          |     |          |                 |       |
| <i>Leptonia odorifer</i>                          | 1          |     |          |                 |       |
| <i>Lycoperdon echinatum</i>                       | 2          |     |          |                 |       |
| <i>Lycoperdon umbrinum</i>                        |            | 1   |          |                 |       |
| <i>Marasmius pyrocephalus</i>                     | 1          |     | 1        |                 |       |
| <i>Marasmius</i> spp.                             |            |     |          | 2               |       |
| <i>Mycena leaiana</i>                             |            |     | 1        |                 |       |
| <i>Mycena</i> sp.                                 |            |     | 1        |                 |       |
| <i>Nolanea</i> sp.                                | 2          |     |          | 1               |       |
| <i>Nolanea stricta</i>                            | 2          |     |          | 2               |       |
| <i>Phellinus pini</i>                             |            | 1   |          |                 |       |
| <i>Phylloporus rhodoxanthus</i>                   | 2          |     |          |                 |       |
| <i>Phyllotopsis nidulans</i>                      |            |     |          | 1               |       |
| <i>Pleurotus ostreatus</i>                        |            |     | 1        | 2               |       |
| <i>Pleurotus</i> sp.                              |            | 1   |          |                 |       |
| <i>Pluteus atricapillus</i>                       |            |     |          |                 | 1     |
| <i>Pluteus longistriatus</i>                      | 1          |     |          |                 |       |
| <i>Polyporus alveolaris</i>                       | 3          |     |          |                 |       |
| <i>Polyporus elegans</i>                          | 2          |     |          |                 |       |
| <i>Retiboletus ornatipes</i>                      |            |     | 1        |                 |       |
| <i>Russula compacta</i>                           |            | 1   |          | 2               |       |
| <i>Russula emetica</i>                            | 1          |     |          |                 |       |
| <i>Russula fragilis</i>                           | 1          |     |          |                 |       |
| <i>Russula</i> spp.                               | 3          |     | 2        |                 |       |
| <i>Schizophyllum commune</i>                      |            |     |          |                 | 1     |
| <i>Scleroderma citrinum</i>                       |            |     |          | 1               |       |

| Fungus                         | Plot<br>BE | ORC | Off-plot | Off-plot<br>F2F | Foray |
|--------------------------------|------------|-----|----------|-----------------|-------|
| <i>Sparassis crispa</i>        |            |     |          | 1               |       |
| <i>Sparassis herbstii</i>      |            |     |          | 1               |       |
| <i>Steccherinum ocharaceum</i> |            |     | 1        |                 |       |
| <i>Stereum complicatum</i>     |            |     | 1        |                 |       |
| <i>Stereum hirsutum</i>        | 2          |     |          |                 |       |
| <i>Stereum ostrea</i>          |            |     | 3        |                 |       |
| <i>Strobilomyces floccopus</i> |            |     | 1        |                 |       |
| <i>Thelephora caryophyllea</i> | 1          |     |          | 1               |       |
| <i>Trametes elegans</i>        |            |     | 1        |                 | 1     |
| <i>Trametes hirsuta</i>        |            |     | 1        |                 |       |
| <i>Trametes versicolor</i>     |            |     | 1        |                 |       |
| <i>Trichaptum bifforme</i>     | 1          |     |          | 2               | 1     |
| <i>Tyromyces chioneus</i>      | 1          |     |          |                 |       |
| <i>Xanthoconium affine</i>     | 1          | 1   | 1        |                 |       |
| <i>Xeromphalina kauffmanii</i> | 1          |     | 1        |                 |       |
| <i>Xerula megalospora</i>      |            |     | 1        |                 |       |
| <i>Xylaria tentaculata</i>     | 2          |     |          |                 |       |
| Total collections identified   | 73         | 11  | 41       | 34              | 6     |

## 2006

Plot inventories were conducted at the Beech site and at Oak Ridge Campground on 19 July (54 specimens), 3 August (24 specimens), and 8 September (33 specimens) in 2006. An additional seven collections were made near the plots and two collections were made along the Farms to Forest Trail. A total of 120 specimens were collected on these visits.

The foray was conducted on 29 September 2006 along a loop on the South Valley Trail and Scenic Drive. A total of 60 specimens were collected during the foray.

In total, 94 taxa were identified from 180 specimens; 44 from Beech, 17 from Oak Ridge Campground, five off-plot, two off-plot Farms to Forest Trail, and 45 from the foray (Table 8). Sixty specimens were vouchered in 2006 and assigned NPS Catalog numbers.

Table 8. Macrofungi collected at Prince William Forest Park in 2006.  
BE = Beech Trail, ORC = Oak Ridge Campground, F2F = Farms to Forest Trail

| Fungus                      | Plot<br>BE | ORC | Off-plot | Off-plot<br>F2F | Foray |
|-----------------------------|------------|-----|----------|-----------------|-------|
| <i>Amanita caesarea</i>     |            |     |          |                 | 1     |
| <i>Amanita flavoconia</i>   |            |     |          |                 | 1     |
| <i>Amanita polypyramis</i>  |            |     |          |                 | 1     |
| <i>Amanita porphyria</i>    |            | 1   |          |                 |       |
| <i>Amanita ravenelii</i>    |            |     |          | 1               |       |
| <i>Amanita rubescens</i>    |            |     | 1        |                 |       |
| <i>Amanita</i> spp.         |            | 2   |          |                 | 1     |
| <i>Amanita spreata</i>      |            | 1   |          |                 |       |
| <i>Austroboletus betula</i> |            |     |          |                 |       |
| <i>Boletus edulis</i>       | 1          |     |          |                 |       |

| Fungus                            | Plot<br>BE | ORC | Off-plot | Off-plot<br>F2F | Foray |
|-----------------------------------|------------|-----|----------|-----------------|-------|
| <i>Boletus pallidus</i>           |            | 1   |          |                 |       |
| <i>Boletus peckii</i>             |            | 1   |          |                 |       |
| <i>Boletus subglabripes</i>       |            |     |          |                 | 1     |
| <i>Boletus subluridellus</i>      |            | 2   |          |                 |       |
| <i>Bolibitius</i> sp.             | 1          |     |          |                 |       |
| <i>Cantharellus cinnabarinus</i>  |            |     |          |                 | 1     |
| <i>Clavaria vermicularis</i>      |            |     |          |                 | 1     |
| <i>Clavicornia pyxidata</i>       | 1          |     |          |                 | 1     |
| <i>Clavulina cristata</i>         | 1          |     |          |                 |       |
| <i>Clitopilus</i> sp.             | 1          |     |          |                 |       |
| <i>Coltricia cinnamomea</i>       | 3          |     |          |                 | 1     |
| <i>Coprinus micaceus</i>          |            |     |          |                 | 1     |
| <i>Cordyceps ophioglossoides</i>  | 1          |     |          |                 |       |
| <i>Cortinarius cinnabarinus</i>   |            |     |          |                 | 1     |
| <i>Cortinarius corrugatus</i>     | 1          |     |          |                 |       |
| <i>Cortinarius iodes</i>          |            | 1   |          |                 | 1     |
| <i>Cortinarius semisanguineus</i> |            |     |          |                 | 2     |
| <i>Cortinarius</i> spp.           |            | 1   |          |                 | 3     |
| <i>Craterellus cornucopoides</i>  |            |     |          |                 | 1     |
| <i>Crepidotus crocophyllus</i>    | 1          |     |          |                 |       |
| <i>Crepidotus mollis</i>          | 2          |     |          |                 |       |
| <i>Daldinia concentrica</i>       | 1          |     |          |                 |       |
| <i>Galiella rufa</i>              | 2          |     |          |                 |       |
| <i>Grifola frondosa</i>           |            |     |          |                 | 1     |
| <i>Gymnopus dryophilus</i>        |            |     |          |                 | 1     |
| <i>Hygrocybe flavescens</i>       |            |     |          |                 | 1     |
| <i>Hygrocybe</i> sp.              |            |     |          |                 | 1     |
| <i>Hygrophorus chrysaspis</i>     |            |     |          |                 | 1     |
| <i>Hypholoma fasciculare</i>      |            |     |          |                 | 1     |
| <i>Laccaria laccata</i>           |            |     |          |                 | 4     |
| <i>Lactarius argillaceifolius</i> |            |     |          |                 | 1     |
| <i>Lactarius croceus</i>          |            |     |          |                 | 1     |
| <i>Lactarius indigo</i>           |            |     |          |                 |       |
| <i>Lactarius piperatus</i>        |            |     |          |                 | 1     |
| <i>Lactarius</i> spp.             | 2          |     |          | 1               | 2     |
| <i>Lactarius volemus</i>          |            | 1   | 1        |                 |       |
| <i>Leccinum albellum</i>          | 1          |     |          |                 |       |
| <i>Lentinellus ursinus</i>        | 1          |     |          |                 | 1     |
| <i>Lenzites betulina</i>          | 1          |     |          |                 |       |
| <i>Lepiota</i> sp.                |            | 1   |          |                 |       |
| <i>Leptonia</i> sp.               | 1          |     |          |                 |       |
| <i>Lycoperdon perlatum</i>        | 1          |     |          |                 | 1     |
| <i>Lycoperdon pyriforme</i>       | 1          |     |          |                 | 1     |
| <i>Marasmius rotula</i>           | 2          |     |          |                 |       |
| <i>Marasmius siccus</i>           | 3          |     |          |                 | 1     |
| <i>Marasmius</i> spp.             | 5          |     |          |                 |       |
| <i>Mycena leaiana</i>             | 1          |     | 1        |                 |       |
| <i>Mycena</i> spp.                | 3          |     |          |                 |       |

| Fungus                            | Plot<br>BE | ORC | Off-plot | Off-plot<br>F2F | Foray |
|-----------------------------------|------------|-----|----------|-----------------|-------|
| <i>Nolanea</i> sp.                | 2          |     |          |                 |       |
| <i>Phaeocollybia</i> sp.          | 1          |     |          |                 |       |
| <i>Phaeolus schweinitzii</i>      |            |     |          |                 | 1     |
| <i>Phellodon</i> sp.              | 1          |     |          |                 |       |
| <i>Phylloporus rhodoxanthus</i>   | 3          |     |          |                 | 1     |
| <i>Pleurotus ostreatus</i>        |            |     | 1        |                 | 1     |
| <i>Pluteus atricapillus</i>       | 1          |     |          |                 |       |
| <i>Pluteus longistriatus</i>      | 1          |     |          |                 |       |
| <i>Pluteus</i> sp.                | 1          |     |          |                 |       |
| <i>Polyporus badius</i>           | 2          |     |          |                 |       |
| <i>Psilocybe</i> sp.              | 1          |     |          |                 |       |
| <i>Pulveroboletus ravenelii</i>   |            |     |          |                 | 1     |
| <i>Ramaria</i> sp.                |            | 1   |          |                 |       |
| <i>Ramaria stricta</i>            |            |     |          |                 | 2     |
| <i>Rozites caperata</i>           |            |     |          |                 | 1     |
| <i>Russula aeruginea</i>          | 1          |     |          |                 |       |
| <i>Russula crassotunicata</i>     |            | 1   |          |                 |       |
| <i>Russula emetica</i>            | 1          |     |          |                 |       |
| <i>Russula mariae</i>             | 1          |     |          |                 |       |
| <i>Russula sanguinea</i>          | 1          |     |          |                 |       |
| <i>Russula</i> spp.               | 9          | 2   |          |                 | 4     |
| <i>Scleroderma areolatum</i>      | 1          |     |          |                 |       |
| <i>Stereum ostrea</i>             | 2          |     |          |                 |       |
| <i>Stropharia thrausta</i>        |            |     |          |                 |       |
| <i>Suillus granulatus</i>         |            |     |          |                 | 1     |
| <i>Trametes elegans</i>           | 1          |     |          |                 | 1     |
| <i>Trametes versicolor</i>        | 1          |     |          |                 | 1     |
| <i>Tremella reticulata</i>        |            |     |          |                 | 1     |
| <i>Trichaptum bifforme</i>        |            | 2   |          |                 |       |
| <i>Tricholoma</i> sp.             |            |     | 1        |                 | 1     |
| <i>Tylopilus indecisus</i>        |            | 1   |          |                 |       |
| <i>Tylopilus plumbeoviolaceus</i> |            | 1   |          |                 | 1     |
| <i>Tylopilus tabacinus</i>        |            |     |          |                 | 1     |
| <i>Xanthoconium affine</i>        |            | 2   |          |                 | 1     |
| <i>Xerula furfuracea</i>          | 1          |     |          |                 |       |
| <i>Xylaria tentaculata</i>        | 3          |     |          |                 |       |
| Total collections identified      | 88         | 23  | 7        | 2               | 60    |

## Discussion

A total of 904 specimens were collected during this study with 256 taxa identified from the four Parks. This is an underestimate of overall species diversity. Some particular groups of fungi, commonly known as “little brown mushrooms” (LBMs), are very difficult to identify and are underrepresented in our identification lists. For some genera (*Cortinarius*, *Marasmius*, *Russula*), species diversity is very high in North America, but available keys include limited numbers of species (Arora 1986), leaving many specimens identified only at the genus level. In spite of these

limitations, this work provides baseline information on macrofungi in these Parks. At the same time, we are confident that more collections would yield additional taxa. Our ratio of vouchers to collections was quite high, indicating that we were sampling from a large species pool. The extensive list of fungi collected from NAMA and NEMF forays in the region also indicates a highly diverse macrofungal community should be present.

Some genera of macrofungi were collected on a regular basis. The genera collected most regularly were as follows (numbers given are collections in the eight possible park-year combinations): *Marasmius* (8), *Polyporus* (8), *Trametes* (8), *Crepidotus* (7), *Pleurotus* (7), *Schizophyllum* (7), *Hygrophorus* (6), *Lepiota* (6), *Lycoperdon* (6), *Mycena* (6), *Phellinus* (6), *Scleroderma* (6), *Trichaptum* (6), *Amanita* (5), *Auricularia* (5), *Clitocybe* (5), *Coprinus* (5), *Cortinarius* (5), *Hygrocybe* (5), *Lentinellus* (5), *Russula* (5), *Tremella* (5), and *Tyromyces* (5). In spite of this general overlap, the four Parks differed from one another substantially.

Antietam National Battlefield yielded the lowest number of collections (105) and taxa (53) of the four Parks. The majority of the fungi were associated with woody substrates; species of *Marasmius*, *Schizophyllum*, and *Polyporus* were collected regularly. Our only collections of *Calvatia* puffballs and of the *Hericium* tooth fungus were from this Park. The portion of our foray along the Snively Ford Trail bordering the Antietam Creek appeared more diverse than other sites in the Park and would be worth exploring further. The lower numbers and diversity of fungi of this Park relative to the others did not surprise us; the small woodlots in which we sampled are embedded in a heavily agricultural landscape.

Catoctin Mountain Park was the second richest of the Parks in terms of collections (329) and taxa (116). Fungi were associated with both woody and terrestrial substrates. Fungi were quite diverse in both species and in form, including gilled mushrooms, boletes, polypores, bird's nests, puffballs, and coral fungi. Collections of *Marasmius* and of puffballs were especially diverse compared with the other parks. This Park includes substantial variation in elevation and vegetation; we expect that there are many more fungi to be found here.

Chesapeake and Ohio Canal National Historical Park surprised us with the low number of collections (126) and taxa (54). The sites we selected for plots and forays included abundant woody substrates and were located on mesic soils. We are unsure why these sites were relatively poor in fungi. We routinely saw jelly fungi (*Auricularia* and *Exidia*), *Schizophyllum*, and *Marasmius*. We collected the only stinkhorn (*Phallus impudicus*) of the study during the 2006 foray. Our collections all came from one relatively small region of this 297 km long Park and we are not confident that our collections are representative of the entire Park. The unique shape of this Park results in an extensive boundary with varied adjacent land uses. We are unsure of how that impacted fungal diversity or how different regions of the Park may vary.

Prince William Forest Park yielded the highest number of collections (344) and taxa (148). Like Catoctin Mountain Park, Prince William included fungi of diverse forms. Especially notable were the abundant and diverse *Amanita*, *Boletus*, and *Russula*. These fungi are large and colorful, making them likely to attract attention from visitors. We routinely saw fruiting bodies of *Xylaria tentacula* at the Beech site, but never saw it anywhere else. The Little Loop Trail and the Beech

plot, the Farms to Forest Trail, and the South Valley Trail all included abundant and diverse fungi, with different taxa in each area.

In no case, did sampling during one season on a plot or a foray reveal even half of the total taxa we found in that Park. We found high variation within each Park as reflected in differences in fungal numbers and identities among plots and forays. The combination of the plot-based and foray-based methods did, as hoped, allow us to detect both the small, inconspicuous and the larger, more colorful fruiting bodies. Clearly, additional sampling would increase the species list for each Park.

## Conclusions

A literature review resulted in a list of fungi that have been identified in the region (Appendix A). Two years of inventories based on plot visits and forays resulted in the species lists given in this report. A database and voucher specimens (Appendix B) have been submitted to the National Park Service.

**Public Interest Highlights:** There are unique fungi at each of the four National Capital Region Networks Parks. A kiosk or other interpretive resource with photographs and descriptions of the common mushrooms at each Park would be useful. Information about the importance of fungi as decomposers and as mycorrhizal partners of plants could be included in visitor information or in interpretive programs.

**Management Recommendations:** Lowering the population density of white-tailed deer could result in additional macrofungi. Deer browse on woody vegetation was evident on all plots and forays.

**Research Recommendations:** Additional information on macrofungi in these Parks, including more species records, could be obtained through continuing inventory studies.

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## Appendix A. Fungi recorded from regional forays.

Locations and dates are indicated by the foray name. The last column (PA2005) is the only NEMF foray ([www.nemf.org/checklists](http://www.nemf.org/checklists)); the others are NAMA forays (<http://collectivesource.com/fungi/nama>). These lists were not edited to account for taxonomic changes affecting names of genera.

| Foray                            | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected         | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Agaricus abruptibulbus</i>    | NC1974 | NC1980 | NY1991 |        | PA1982 |        |        |
| <i>Agaricus arvensus</i>         |        |        |        | OH1979 |        |        |        |
| <i>Agaricus bitorquis</i>        |        |        |        |        | PA1982 |        |        |
| <i>Agaricus campestris</i>       | NC1974 |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Agaricus comptuliformis</i>   | NC1974 |        |        |        |        |        |        |
| <i>Agaricus diminutivus</i>      | NC1974 |        | NY1991 |        |        |        |        |
| <i>Agaricus haemorrhoidarius</i> |        |        |        | OH1979 |        |        |        |
| <i>Agaricus placomyces</i>       |        | NC1980 |        |        | PA1982 | WV1977 | PA2005 |
| <i>Agaricus porphyizon</i>       |        |        | NY1991 |        |        |        |        |
| <i>Agaricus semotus</i>          |        |        | NY1991 |        |        |        |        |
| <i>Agaricus silvaticus</i>       |        | NC1980 |        |        |        |        |        |
| <i>Agaricus silvicola</i>        |        | NC1980 |        | OH1979 |        |        |        |
| <i>Agaricus subrutiliscens</i>   | NC1974 |        |        |        |        |        |        |
| <i>Agrocybe acericola</i>        |        |        | NY1991 |        |        |        |        |
| <i>Agrocybe erebia</i>           |        | NC1980 | NY1991 | OH1979 |        |        |        |
| <i>Agrocybe firma</i>            | NC1974 |        | NY1991 | OH1979 |        |        |        |
| <i>Agrocybe molesta</i>          |        |        |        |        |        |        | PA2005 |
| <i>Agrocybe pediades</i>         |        |        |        |        |        | WV1977 |        |
| <i>Albatrellus cristatus</i>     | NC1974 |        |        |        |        | WV1977 | PA2005 |
| <i>Alboleptonia sericellis</i>   |        |        |        | OH1979 |        |        |        |
| <i>Aleuria aurangia</i>          | NC1974 |        |        | OH1979 |        |        |        |
| <i>Aleuria aurantia</i>          |        | NC1980 |        |        |        |        |        |
| <i>Aleuria bicucullata</i>       | NC1974 |        |        |        |        |        |        |
| <i>Aleurodiscus oakesii</i>      |        |        |        |        |        | WV1977 |        |
| <i>Amanita abrupta</i>           |        | NC1980 |        |        |        |        | PA2005 |
| <i>Amanita aestivalis</i>        |        |        |        | OH1979 |        |        | PA2005 |
| <i>Amanita agglutinata</i>       |        | NC1980 |        | OH1979 |        |        |        |
| <i>Amanita alba</i>              |        |        | NY1991 |        |        |        |        |
| <i>Amanita aspera</i>            |        | NC1980 |        |        |        |        |        |
| <i>Amanita atkinsoniana</i>      |        | NC1980 |        |        |        |        |        |
| <i>Amanita bisporigera</i>       |        | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Amanita brunnescens</i>       | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Amanita caeserea</i>          | NC1974 | NC1980 | NY1991 |        |        | WV1977 |        |
| <i>Amanita chlorinosma</i>       | NC1974 |        |        |        |        |        |        |
| <i>Amanita cinereoconia</i>      | NC1974 | NC1980 |        |        |        | WV1977 |        |

| Foray                              | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected           | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Amanita cinereopannosa</i>      |        |        |        |        |        | WV1977 |        |
| <i>Amanita citrina</i>             | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 |        |
| <i>Amanita cokeri</i>              | NC1974 |        |        |        | PA1982 | WV1977 |        |
| <i>Amanita crocea</i>              | NC1974 |        |        |        |        |        |        |
| <i>Amanita daucipes</i>            |        |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Amanita elliptosperma group</i> |        |        |        |        |        |        | PA2005 |
| <i>Amanita excelsa</i>             |        |        |        |        |        | WV1977 |        |
| <i>Amanita farinosa</i>            | NC1974 | NC1980 |        |        |        | WV1977 | PA2005 |
| <i>Amanita flavoconia</i>          | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Amanita flavorubescens</i>      |        | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Amanita frostiana</i>           |        |        |        |        | PA1982 |        |        |
| <i>Amanita fulva</i>               | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Amanita gemmata</i>             | NC1974 | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Amanita inaurata</i>            | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 |        |
| <i>Amanita muscaria</i>            |        |        | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Amanita nivalis</i>             |        |        |        |        |        | WV1977 |        |
| <i>Amanita onusta</i>              |        | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Amanita pantherina</i>          |        | NC1980 |        |        |        | WV1977 |        |
| <i>Amanita parcvolvata</i>         |        | NC1980 |        |        |        | WV1977 |        |
| <i>Amanita parcvolvata</i>         |        |        |        |        |        |        | PA2005 |
| <i>Amanita peckiana</i>            | NC1974 | NC1980 |        |        |        | WV1977 |        |
| <i>Amanita pelioma</i>             | NC1974 |        |        |        |        |        |        |
| <i>Amanita polypyramis</i>         |        | NC1980 |        |        |        |        |        |
| <i>Amanita porphyria</i>           |        |        | NY1991 | OH1979 |        |        |        |
| <i>Amanita ravenelii</i>           |        |        |        |        | PA1982 | WV1977 |        |
| <i>Amanita rhoadsii</i>            |        | NC1980 |        |        |        |        |        |
| <i>Amanita rhopalopus</i>          |        |        |        | OH1979 | PA1982 |        |        |
| <i>Amanita roanokensis</i>         | NC1974 |        |        |        |        |        |        |
| <i>Amanita rubescens</i>           | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Amanita sinicoflava</i>         |        |        | NY1991 |        |        |        | PA2005 |
| <i>Amanita sp.</i>                 |        | NC1980 |        |        |        |        |        |
| <i>Amanita spissa</i>              |        | NC1980 |        |        |        |        |        |
| <i>Amanita spreta</i>              |        |        |        |        | PA1982 | WV1977 |        |
| <i>Amanita umbrinolutea</i>        |        |        |        |        | PA1982 |        |        |
| <i>Amanita vaginata</i>            | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Amanita verna</i>               |        |        |        |        |        | WV1977 |        |
| <i>Amanita virosa</i>              | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Amanita volvata</i>             |        |        |        |        | PA1982 |        | PA2005 |
| <i>Antrodia albida</i>             |        |        |        |        |        |        | PA2005 |
| <i>Aphelaria pterula</i>           |        | NC1980 |        |        |        |        |        |
| <i>Aphelaria tuberosa</i>          |        | NC1980 |        |        |        |        |        |

| Foray                             | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected          | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Apiosporina decorosa</i>       |        |        |        |        | PA1982 |        |        |
| <i>Apiosporina morbosa</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Arcyria cinerea</i>            |        |        |        |        |        |        | PA2005 |
| <i>Arcyria denudata</i>           |        |        |        |        |        |        | PA2005 |
| <i>Arcyria nutans</i>             |        |        |        |        |        |        | PA2005 |
| <i>Arcyria pomiformis</i>         |        |        |        |        |        |        | PA2005 |
| <i>Armillaria mellea</i>          | NC1974 | NC1980 |        |        |        |        |        |
| <i>Armillaria parastica</i>       | NC1974 |        |        |        |        |        |        |
| <i>Armillaria tabescens</i>       | NC1974 |        |        |        |        |        | PA2005 |
| <i>Armillariella mellea</i>       |        |        |        | OH1979 | PA1982 |        |        |
| <i>Armillariella tabescens</i>    |        |        |        | OH1979 |        |        |        |
| <i>Asterophora lycoperdoides</i>  |        |        | NY1991 |        |        | WV1977 | PA2005 |
| <i>Asterophora myosura</i>        | NC1974 | NC1980 |        |        |        |        |        |
| <i>Asterophora myriadophylla</i>  | NC1974 |        |        |        |        |        |        |
| <i>Astraeus hygrometricus</i>     | NC1974 | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Auricularia auricula</i>       | NC1974 | NC1980 | NY1991 | OH1979 |        | WV1977 |        |
| <i>Auriscalpium vulgare</i>       |        |        | NY1991 | OH1979 |        |        |        |
| <i>Austroboletus gracilis</i>     |        |        | NY1991 |        | PA1982 |        | PA2005 |
| <i>Baeospora myosura</i>          |        |        |        | OH1979 |        |        |        |
| <i>Bankera fuligineo-alba</i>     |        |        | NY1991 |        |        |        |        |
| <i>Beauveria bassiana</i>         |        |        |        |        |        |        | PA2005 |
| <i>Berkleasium concinnum</i>      |        |        |        |        |        |        | PA2005 |
| <i>Bisporella citrina</i>         | NC1974 |        | NY1991 |        | PA1982 |        |        |
| <i>Bjerkandera adusta</i>         |        |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Bjerkandera fumosa</i>         |        |        |        | OH1979 |        |        |        |
| <i>Bolbitius callistus</i>        |        |        |        |        | PA1982 |        |        |
| <i>Bolbitius vitillinus</i>       |        | NC1980 |        |        |        |        |        |
| <i>Boletellus betula</i>          | NC1974 | NC1980 |        |        |        |        |        |
| <i>Boletellus chrysenteroides</i> | NC1974 | NC1980 |        |        | PA1982 | WV1977 | PA2005 |
| <i>Boletellus intermedius</i>     |        |        | NY1991 |        | PA1982 |        |        |
| <i>Boletellus rubinellus</i>      | NC1974 |        |        |        |        |        |        |
| <i>Boletinellus meruloides</i>    |        |        |        | OH1979 | PA1982 |        |        |
| <i>Boletus affinis</i>            |        | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Boletus auriporus</i>          | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 |        |
| <i>Boletus badius</i>             | NC1974 |        |        | OH1979 | PA1982 |        |        |
| <i>Boletus ballouii</i>           | NC1974 |        |        |        |        |        |        |
| <i>Boletus bicolor</i>            | NC1974 | NC1980 |        |        | PA1982 | WV1977 | PA2005 |
| <i>Boletus caespitosus</i>        |        | NC1980 |        |        |        |        |        |
| <i>Boletus campestris</i>         |        |        | NY1991 |        |        |        | PA2005 |
| <i>Boletus castanellus</i>        |        |        |        | OH1979 |        |        |        |
| <i>Boletus chrysenteron</i>       | NC1974 | NC1980 |        |        | PA1982 |        |        |

| Foray                                  | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|----------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected               | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Boletus curtisii</i>                |        | NC1980 |        |        |        |        |        |
| <i>Boletus edulis</i>                  |        |        | NY1991 |        | PA1982 |        |        |
| <i>Boletus erythropus</i>              |        | NC1980 |        |        |        |        |        |
| <i>Boletus fraternus</i>               |        |        |        |        | PA1982 |        |        |
| <i>Boletus frostii</i>                 |        |        |        |        | PA1982 | WV1977 |        |
| <i>Boletus griseus</i>                 | NC1974 | NC1980 |        |        | PA1982 |        | PA2005 |
| <i>Boletus hortonii</i>                | NC1974 |        |        |        |        | WV1977 |        |
| <i>Boletus illudens</i>                |        |        |        |        | PA1982 | WV1977 |        |
| <i>Boletus innixus</i>                 |        |        |        |        |        |        | PA2005 |
| <i>Boletus lignicola</i>               |        | NC1980 |        |        |        |        |        |
| <i>Boletus longicurvipes</i>           | NC1974 |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Boletus mineato-olivaceus</i>       |        | NC1980 |        |        |        | WV1977 |        |
| <i>Boletus ornatipes</i>               |        |        | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Boletus pallidus</i>                |        | NC1980 |        |        | PA1982 |        | PA2005 |
| <i>Boletus parasiticus</i>             |        |        |        | OH1979 | PA1982 |        |        |
| <i>Boletus peckii</i>                  |        | NC1980 |        |        |        |        |        |
| <i>Boletus piperatus</i>               | NC1974 |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Boletus psuedosensibilis</i>        |        |        |        |        | PA1982 |        | PA2005 |
| <i>Boletus pulverulentus</i>           |        |        |        |        | PA1982 | WV1977 |        |
| <i>Boletus retipes</i>                 | NC1974 | NC1980 |        |        |        |        |        |
| <i>Boletus roxanae</i>                 |        |        |        |        |        | WV1977 |        |
| <i>Boletus rufocinnamomeus</i>         |        |        |        | OH1979 |        | WV1977 |        |
| <i>Boletus sensibilis</i>              |        |        |        |        |        |        | PA2005 |
| <i>Boletus separans</i>                |        |        |        |        |        | WV1977 |        |
| <i>Boletus speciosus</i>               |        |        |        |        | PA1982 |        | PA2005 |
| <i>Boletus subglabripes</i>            |        | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Boletus subtomentosus</i>           |        |        |        |        | PA1982 |        |        |
| <i>Boletus subvelutipes</i>            |        | NC1980 | NY1991 |        | PA1982 |        | PA2005 |
| <i>Boletus truncatus</i>               |        |        |        |        | PA1982 | WV1977 |        |
| <i>Boletus variipes</i>                |        | NC1980 |        |        |        | WV1977 |        |
| <i>Boletus vermiculosus</i>            |        |        |        |        |        | WV1977 | PA2005 |
| <i>Boletus viridiflavus</i>            | NC1974 |        |        |        |        |        |        |
| <i>Bondarzewia berkeleyi</i>           |        |        |        | OH1979 | PA1982 |        | PA2005 |
| <i>Botryobasidium subcoronatum</i>     |        |        |        |        |        |        | PA2005 |
| <i>Bovista pila</i>                    |        |        |        |        | PA1982 |        |        |
| <i>Bovista plumbea</i>                 |        |        |        |        | PA1982 |        |        |
| <i>Bulgaria inquinans</i>              |        | NC1980 |        |        | PA1982 |        |        |
| <i>Callistosporium luteo-olivaceum</i> |        |        |        |        | PA1982 |        |        |
| <i>Calocera cornea</i>                 | NC1974 | NC1980 | NY1991 |        |        | WV1977 |        |
| <i>Calocera viscosa</i>                | NC1974 |        |        |        |        |        |        |
| <i>Calocybe persicolor</i>             |        |        |        |        |        | WV1977 |        |

| Foray                                 | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected              | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Calostoma cinnabarina</i>          | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Calostoma lutescens</i>            | NC1974 | NC1980 |        |        |        | WV1977 |        |
| <i>Calostoma ravenellii</i>           | NC1974 | NC1980 |        |        |        |        |        |
| <i>Calvatia craniiformis</i>          |        |        |        | OH1979 |        |        |        |
| <i>Calvatia cyathiformis</i>          | NC1974 |        |        |        |        |        |        |
| <i>Calvatia gigantea</i>              |        |        |        | OH1979 |        |        |        |
| <i>Calvatia rubroflava</i>            |        |        |        |        | PA1982 |        |        |
| <i>Camarops petersii</i>              |        |        |        |        |        |        | PA2005 |
| <i>Camarops polysperma</i>            |        | NC1980 |        |        |        |        |        |
| <i>Candelaria concolor</i>            |        |        |        |        |        |        | PA2005 |
| <i>Cantharellula umbonata</i>         |        |        | NY1991 | OH1979 |        |        |        |
| <i>Cantharellus appalachiensis</i>    |        |        |        |        |        |        | PA2005 |
| <i>Cantharellus cibarius</i>          | NC1974 |        | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Cantharellus cinnabarinus</i>      | NC1974 | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Cantharellus ignacolor</i>         |        | NC1980 |        |        | PA1982 |        | PA2005 |
| <i>Cantharellus infundibuliformis</i> | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Cantharellus lateritius</i>        | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Cantharellus luteocomus</i>        |        |        | NY1991 |        |        |        |        |
| <i>Cantharellus lutescens</i>         | NC1974 |        |        |        | PA1982 | WV1977 |        |
| <i>Cantharellus minor</i>             |        |        |        |        | PA1982 | WV1977 |        |
| <i>Cantharellus minor</i>             | NC1974 | NC1980 |        | OH1979 |        |        | PA2005 |
| <i>Cantharellus pallidipes</i>        |        | NC1980 |        |        |        |        |        |
| <i>Cantharellus persicinus</i>        |        |        |        |        |        |        | PA2005 |
| <i>Cantharellus tubaeformis</i>       | NC1974 |        | NY1991 | OH1979 |        | WV1977 | PA2005 |
| <i>Cerrena unicolor</i>               |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Chalciporus piperatus</i>          |        |        | NY1991 |        |        |        | PA2005 |
| <i>Chalciporus rubinellus</i>         |        |        | NY1991 |        |        |        |        |
| <i>Cheimonophyllum candidissimum</i>  |        |        |        |        | PA1982 |        |        |
| <i>Chlorencoelia torta</i>            | NC1974 |        |        |        |        |        |        |
| <i>Chlorencoelia versiformis</i>      |        |        |        |        |        | WV1977 |        |
| <i>Chlorociboria aeruginosa</i>       | NC1974 | NC1980 | NY1991 |        | PA1982 |        | PA2005 |
| <i>Chlorosplenium chlora</i>          | NC1974 | NC1980 |        | OH1979 |        |        |        |
| <i>Chlorosplenium versiforme</i>      |        |        |        |        | PA1982 |        |        |
| <i>Christiansenea mycetaphila</i>     |        |        |        |        | PA1982 |        |        |
| <i>Chroogomphus ochraceus</i>         | NC1974 | NC1980 |        |        |        |        |        |
| <i>Chroogomphus rutilus</i>           | NC1974 | NC1980 |        | OH1979 |        |        |        |
| <i>Ciboria firma</i>                  |        |        | NY1991 |        |        |        |        |
| <i>Ciboria peckiana</i>               | NC1974 | NC1980 |        |        | PA1982 |        | PA2005 |
| <i>Ciboria species</i>                |        | NC1980 |        |        |        |        |        |
| <i>Cladina subtenuis</i>              |        |        |        |        |        |        | PA2005 |
| <i>Cladonia chlorophaea</i>           |        |        |        |        |        |        | PA2005 |

| Foray                                    | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected                 | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Cladonia coniocraea</i>               |        |        |        |        |        |        | PA2005 |
| <i>Cladonia cristatella</i>              |        |        |        |        |        |        | PA2005 |
| <i>Cladonia macilenta</i>                |        |        |        |        |        |        | PA2005 |
| <i>Cladonia pleurota</i>                 |        |        |        |        |        |        | PA2005 |
| <i>Claudopus byssisedus</i>              |        |        |        |        | PA1982 |        |        |
| <i>Clavaria fusiformis</i>               | NC1974 | NC1980 |        |        |        |        |        |
| <i>Clavaria helveola</i>                 | NC1974 |        |        |        |        |        |        |
| <i>Clavaria rubicundula</i>              | NC1974 |        |        |        | PA1982 | WV1977 |        |
| <i>Clavaria vermicularis</i>             | NC1974 | NC1980 |        |        |        |        |        |
| <i>Clavariadelphus ligula</i>            |        |        |        |        |        | WV1977 |        |
| <i>Clavariadelphus pistillaris</i>       | NC1974 | NC1980 |        |        |        |        |        |
| <i>Clavariadelphus truncatus</i>         | NC1974 |        |        | OH1979 |        |        |        |
| <i>Clavicornia aurantio-cinnabrina</i>   |        |        |        |        | PA1982 |        |        |
| <i>Clavicornia pyxidata</i>              |        | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Clavicornia zollingeri</i>            |        |        |        |        | PA1982 |        |        |
| <i>Clavulina cinerea</i>                 | NC1974 |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Clavulina cristata</i>                | NC1974 | NC1980 | NY1991 |        | PA1982 |        | PA2005 |
| <i>Clavulinopsis amoena</i>              |        | NC1980 |        |        |        |        |        |
| <i>Clavulinopsis aurantiocinnabarina</i> |        |        |        |        |        |        | PA2005 |
| <i>Clavulinopsis corniculata</i>         | NC1974 |        |        |        |        | WV1977 |        |
| <i>Clavulinopsis fusiformis</i>          |        |        | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Clavulinopsis miniata</i>             | NC1974 |        |        |        |        |        |        |
| <i>Climacodon septentrionale</i>         |        |        | NY1991 | OH1979 |        |        |        |
| <i>Clitocybe adirondackensis</i>         |        |        |        | OH1979 |        |        |        |
| <i>Clitocybe candicans</i>               | NC1974 |        |        |        |        |        |        |
| <i>Clitocybe clavipes</i>                |        | NC1980 | NY1991 | OH1979 |        | WV1977 |        |
| <i>Clitocybe cyathiformis</i>            |        |        | NY1991 |        |        |        |        |
| <i>Clitocybe ectypoides</i>              | NC1974 | NC1980 | NY1991 |        |        |        |        |
| <i>Clitocybe epichysium</i>              |        |        |        | OH1979 |        |        |        |
| <i>Clitocybe fragrans</i>                |        |        | NY1991 |        |        |        |        |
| <i>Clitocybe gerardii</i>                |        |        | NY1991 |        |        |        |        |
| <i>Clitocybe gibba</i>                   |        |        | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Clitocybe highlandensis</i>           | NC1974 |        |        |        | PA1982 | WV1977 |        |
| <i>Clitocybe hydrogramma</i>             | NC1974 |        |        | OH1979 |        |        |        |
| <i>Clitocybe irina</i>                   |        |        |        | OH1979 |        |        |        |
| <i>Clitocybe nuda</i>                    | NC1974 |        |        | OH1979 |        |        |        |
| <i>Clitocybe odora</i>                   | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Clitocybe sinopica</i>                |        |        | NY1991 |        |        |        |        |
| <i>Clitocybe subconnexa</i>              |        |        |        | OH1979 |        |        |        |
| <i>Clitocybe subsulphurea</i>            |        |        | NY1991 |        |        |        |        |
| <i>Clitocybe tarda</i>                   | NC1974 | NC1980 |        |        |        |        |        |

| Foray                          | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected       | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Clitocybe truncicola</i>    |        |        | NY1991 |        |        |        |        |
| <i>Clitocybula abundans</i>    |        |        | NY1991 |        |        |        |        |
| <i>Clitocybula familia</i>     |        |        | NY1991 |        |        |        |        |
| <i>Clitocybula lacerata</i>    |        |        |        |        | PA1982 |        |        |
| <i>Clitocybula oculus</i>      |        |        |        |        | PA1982 |        |        |
| <i>Clitopilus alborgriseus</i> | NC1974 |        |        |        |        |        |        |
| <i>Clitopilus orcellus</i>     | NC1974 | NC1980 |        |        |        |        |        |
| <i>Clitopilus prunulus</i>     | NC1974 |        | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Collybia biformis</i>       |        |        |        |        | PA1982 |        |        |
| <i>Collybia butyracea</i>      | NC1974 |        | NY1991 |        | PA1982 |        |        |
| <i>Collybia cirrhata</i>       | NC1974 |        | NY1991 | OH1979 |        |        |        |
| <i>Collybia confluens</i>      | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 |        |
| <i>Collybia conigenoides</i>   | NC1974 |        |        |        |        |        |        |
| <i>Collybia cookei</i>         |        |        |        | OH1979 | PA1982 |        |        |
| <i>Collybia dichrous</i>       |        |        |        |        | PA1982 |        |        |
| <i>Collybia distorta</i>       |        |        |        |        | PA1982 |        |        |
| <i>Collybia dryophila</i>      | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Collybia iocephala</i>      | NC1974 | NC1980 |        |        |        |        |        |
| <i>Collybia luxurians</i>      |        |        |        |        | PA1982 |        |        |
| <i>Collybia maculata</i>       | NC1974 | NC1980 | NY1991 | OH1979 |        | WV1977 |        |
| <i>Collybia peronata</i>       |        |        | NY1991 |        |        |        |        |
| <i>Collybia polyphylla</i>     |        |        |        |        |        | WV1977 |        |
| <i>Collybia spongiosa</i>      | NC1974 |        |        |        |        |        |        |
| <i>Collybia subnuda</i>        |        | NC1980 |        | OH1979 |        | WV1977 |        |
| <i>Collybia subsulphuria</i>   |        |        | NY1991 |        |        |        |        |
| <i>Collybia tuberosa</i>       |        | NC1980 |        |        |        |        |        |
| <i>Coltricia cinnamomea</i>    | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Coltricia montagnei</i>     |        |        |        |        | PA1982 |        | PA2005 |
| <i>Coltricia perennis</i>      |        |        | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Comatricha nigra</i>        |        |        |        |        |        |        | PA2005 |
| <i>Coniophora olivacea</i>     | NC1974 |        |        | OH1979 |        |        |        |
| <i>Coniophora species</i>      |        | NC1980 |        |        |        |        |        |
| <i>Conocybe callisteus</i>     | NC1974 |        |        |        |        |        |        |
| <i>Conocybe crispa</i>         | NC1974 |        |        |        |        | WV1977 |        |
| <i>Conocybe huijsmanii</i>     |        |        |        |        | PA1982 |        |        |
| <i>Conocybe lactea</i>         |        | NC1980 | NY1991 |        |        |        | PA2005 |
| <i>Conocybe tenera</i>         | NC1974 | NC1980 |        |        |        |        |        |
| <i>Coprinus atramentarius</i>  |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Coprinus cinereus</i>       |        |        | NY1991 |        |        |        |        |
| <i>Coprinus comatus</i>        |        |        |        | OH1979 |        |        |        |
| <i>Coprinus ephemerus</i>      |        |        | NY1991 |        |        |        |        |

| Foray                            | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|----------------------------------|--------|--------|--------|--------|--------|--------|--------|
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| <i>Coprinus lagopoides</i>       |        |        |        |        | PA1982 |        |        |
| <i>Coprinus lagopus</i>          | NC1974 |        |        | OH1979 |        |        |        |
| <i>Coprinus micaceus</i>         | NC1974 |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Coprinus plicatilis</i>       |        |        |        |        | PA1982 |        |        |
| <i>Coprinus plicatilis</i>       |        |        | NY1991 | OH1979 |        |        |        |
| <i>Coprinus quadrifidus</i>      |        |        |        |        |        | WV1977 |        |
| <i>Coprinus truncorum</i>        | NC1974 |        |        |        |        |        |        |
| <i>Cordyceps gracilis</i>        |        |        |        |        | PA1982 |        |        |
| <i>Cordyceps militaris</i>       | NC1974 | NC1980 | NY1991 | OH1979 |        | WV1977 | PA2005 |
| <i>Cordyceps ophioglossoides</i> | NC1974 |        |        |        |        |        |        |
| <i>Cordyceps sphaecocephala</i>  |        | NC1980 |        |        |        |        |        |
| <i>Cordyceps variabilis</i>      |        |        | NY1991 |        |        |        |        |
| <i>Coriolus hirsutus</i>         |        |        |        | OH1979 | PA1982 |        |        |
| <i>Coriolus pubescens</i>        |        |        |        | OH1979 |        | WV1977 |        |
| <i>Coriolus versicolor</i>       | NC1974 |        |        | OH1979 |        |        |        |
| <i>Coriolus versicolor</i>       |        |        |        |        | PA1982 | WV1977 |        |
| <i>Cortinarius alboviolaceus</i> | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Cortinarius anomalus</i>      |        |        | NY1991 | OH1979 |        |        |        |
| <i>Cortinarius argentatus</i>    | NC1974 |        |        |        |        |        |        |
| <i>Cortinarius argentatus</i>    |        |        |        |        |        | WV1977 |        |
| <i>Cortinarius armillatus</i>    |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Cortinarius bolaris</i>       | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Cortinarius callisteus</i>    |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius caninus</i>       | NC1974 |        |        |        |        |        |        |
| <i>Cortinarius cinnabarinus</i>  | NC1974 |        |        |        | PA1982 | WV1977 |        |
| <i>Cortinarius cinnamomeus</i>   |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius corrugatus</i>    |        |        |        |        |        | WV1977 |        |
| <i>Cortinarius cylindripes</i>   | NC1974 |        |        |        |        |        |        |
| <i>Cortinarius dellbutus</i>     | NC1974 |        |        |        |        |        |        |
| <i>Cortinarius distans</i>       |        |        |        |        | PA1982 |        |        |
| <i>Cortinarius eburneus</i>      | NC1974 |        |        |        |        |        |        |
| <i>Cortinarius evernius</i>      |        |        | NY1991 |        |        | WV1977 |        |
| <i>Cortinarius flavofolius</i>   | NC1974 |        |        |        |        |        |        |
| <i>Cortinarius heliotropicus</i> | NC1974 |        |        |        |        | WV1977 |        |
| <i>Cortinarius hircinus</i>      |        |        |        | OH1979 |        |        |        |
| <i>Cortinarius hudsonianus</i>   |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius infractus</i>     |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius iodes</i>         | NC1974 | NC1980 |        |        | PA1982 |        | PA2005 |
| <i>Cortinarius kaufmanianus</i>  |        |        |        |        | PA1982 |        |        |
| <i>Cortinarius lucorum</i>       | NC1974 |        |        |        |        |        |        |
| <i>Cortinarius morrosii</i>      |        |        |        | OH1979 |        |        |        |

| Foray                                | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|
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| <i>Cortinarius mucosus</i>           |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius paleaceus</i>         |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius paleiferus</i>        |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius palustris</i>         |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius porphyropus</i>       | NC1974 |        | NY1991 |        |        |        |        |
| <i>Cortinarius sanguineus</i>        |        | NC1980 |        |        |        |        |        |
| <i>Cortinarius semisanguineus</i>    | NC1974 |        | NY1991 | OH1979 |        |        | PA2005 |
| <i>Cortinarius sphaerosporus</i>     | NC1974 |        |        |        |        |        |        |
| <i>Cortinarius subscaurus</i>        |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius traganus</i>          |        |        |        |        | PA1982 |        |        |
| <i>Cortinarius trivalis</i>          |        |        | NY1991 |        |        |        |        |
| <i>Cortinarius vibratilis</i>        | NC1974 |        |        |        |        | WV1977 |        |
| <i>Cortinarius violaceus</i>         | NC1974 |        |        |        |        |        |        |
| <i>Cortinarius virentophyllus</i>    | NC1974 |        |        |        |        |        |        |
| <i>Craterellus cantharellus</i>      | NC1974 |        |        |        |        |        |        |
| <i>Craterellus cornucopioides</i>    | NC1974 |        |        |        |        |        |        |
| <i>Craterellus fallax</i>            | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Craterellus hesleri</i>           |        | NC1980 |        |        |        |        |        |
| <i>Craterellus infundibuliformis</i> |        |        |        |        | PA1982 |        |        |
| <i>Craterellus odoratus</i>          |        | NC1980 |        |        |        |        |        |
| <i>Creopus gelatinosus</i>           |        |        | NY1991 |        |        |        |        |
| <i>Crepidotus applanatus</i>         | NC1974 |        | NY1991 |        | PA1982 |        | PA2005 |
| <i>Crepidotus betulae</i>            |        |        | NY1991 |        |        |        |        |
| <i>Crepidotus crocophyllus</i>       |        |        | NY1991 |        | PA1982 |        |        |
| <i>Crepidotus fulvotomentosus</i>    |        |        |        | OH1979 |        |        |        |
| <i>Crepidotus malachius</i>          |        |        | NY1991 |        |        |        |        |
| <i>Crepidotus mollis</i>             |        |        | NY1991 |        |        |        | PA2005 |
| <i>Crepidotus nephroides</i>         |        | NC1980 |        |        |        |        |        |
| <i>Crepidotus species</i>            | NC1974 | NC1980 |        |        |        |        |        |
| <i>Crepidotus versutus</i>           |        |        | NY1991 |        |        |        |        |
| <i>Crinipellis zonarius</i>          |        |        |        |        | PA1982 |        |        |
| <i>Crucibulum laeve</i>              | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Cryptoporus volvatus</i>          |        |        |        |        |        | WV1977 |        |
| <i>Cryptotrampa asprata</i>          |        |        | NY1991 |        | PA1982 |        |        |
| <i>Cryptotrampa chrysospepia</i>     |        |        |        |        | PA1982 |        |        |
| <i>Cudonia circinans</i>             |        |        | NY1991 |        |        |        |        |
| <i>Cudonia lutea</i>                 |        | NC1980 |        |        | PA1982 |        |        |
| <i>Cudoniella acicularis</i>         | NC1974 |        |        |        |        |        |        |
| <i>Cyathus olla</i>                  | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Cyathus stercoreus</i>            |        |        |        |        |        |        | PA2005 |
| <i>Cyathus striatus</i>              |        | NC1980 |        |        |        | WV1977 |        |

| Foray                              | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|
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| <i>Cyphellopsis anomala</i>        |        |        | NY1991 |        |        |        |        |
| <i>Cyptotrama asprata</i>          |        |        |        |        |        |        | PA2005 |
| <i>Cystoderma amianthinum</i>      |        | NC1980 |        | OH1979 |        |        |        |
| <i>Cystoderma granosum</i>         |        | NC1980 | NY1991 | OH1979 |        |        |        |
| <i>Dacrymyces chrysospermus</i>    |        |        | NY1991 |        |        |        |        |
| <i>Dacrymyces deliquescens</i>     |        |        |        |        |        | WV1977 |        |
| <i>Dacrymyces ellisii</i>          |        |        |        | OH1979 |        |        |        |
| <i>Dacrymyces palmatus</i>         | NC1974 | NC1980 | NY1991 | OH1979 |        |        | PA2005 |
| <i>Dacrypinax spathulatus</i>      |        | NC1980 |        |        |        |        |        |
| <i>Daedalea alveolaris</i>         | NC1974 | NC1980 |        |        |        |        |        |
| <i>Daedalea confragosa</i>         | NC1974 | NC1980 |        |        |        | WV1977 |        |
| <i>Daedalea quercina</i>           | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Daedalea unicolor</i>           |        | NC1980 |        |        |        | WV1977 |        |
| <i>Daedaleopsis confragosa</i>     |        |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Daldinia concentrica</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Dasyscyphus bicolor</i>         |        |        | NY1991 |        |        |        |        |
| <i>Dasyscyphus crystallinus</i>    | NC1974 |        |        |        |        |        |        |
| <i>Dasyscyphus diminutus</i>       |        |        |        |        |        | WV1977 |        |
| <i>Dasyscyphus leucophaeus</i>     | NC1974 |        |        |        |        |        |        |
| <i>Dasyscyphus nudipes</i>         |        |        |        |        |        | WV1977 |        |
| <i>Dasyscyphus virgineus</i>       |        |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Dendrothele candida</i>         |        | NC1980 |        |        |        |        |        |
| <i>Dendrothele griseocana</i>      |        |        |        |        | PA1982 |        |        |
| <i>Dendrothele nivosa</i>          |        | NC1980 |        |        |        |        |        |
| <i>Dentinum repandum</i>           | NC1974 | NC1980 |        | OH1979 |        |        |        |
| <i>Dentinum umbilicatum</i>        | NC1974 |        |        | OH1979 |        |        |        |
| <i>Diatrype stigma</i>             |        |        |        |        | PA1982 |        | PA2005 |
| <i>Diatrype stigma</i>             |        |        | NY1991 |        |        |        |        |
| <i>Dictydium cancellatum</i>       |        |        |        |        |        |        | PA2005 |
| <i>Dictyophora duplicata</i>       |        |        |        | OH1979 |        | WV1977 |        |
| <i>Diderma effusum</i>             |        |        |        |        |        |        | PA2005 |
| <i>Didymium iridis</i>             |        |        |        |        |        |        | PA2005 |
| <i>Elaphomyces</i> sp.             |        |        |        |        |        |        | PA2005 |
| <i>Endothia parasitica</i>         |        |        |        |        | PA1982 |        |        |
| <i>Entoloma abortivum</i>          |        |        |        | OH1979 |        |        |        |
| <i>Entoloma abundans</i>           |        |        |        |        |        | WV1977 |        |
| <i>Entoloma byssisedum</i>         | NC1974 |        |        |        |        |        |        |
| <i>Entoloma caeruleopallescens</i> | NC1974 |        |        |        |        |        |        |
| <i>Entoloma depluens</i>           | NC1974 |        |        |        | PA1982 |        |        |
| <i>Entoloma felleum</i>            |        |        |        |        |        | WV1977 |        |
| <i>Entoloma griseum</i>            | NC1974 |        |        |        |        |        |        |

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|---------------------------------|--------|--------|--------|--------|--------|--------|--------|
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| <i>Entoloma jubatum</i>         |        |        | NY1991 |        |        |        |        |
| <i>Entoloma luridum</i>         |        |        |        |        | PA1982 |        |        |
| <i>Entoloma luteum</i>          |        |        | NY1991 |        |        |        |        |
| <i>Entoloma murraini</i>        | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 |        |
| <i>Entoloma odoriferum</i>      |        |        | NY1991 |        |        |        |        |
| <i>Entoloma porphyrophaeum</i>  | NC1974 |        |        |        |        |        |        |
| <i>Entoloma quadratum</i>       |        |        | NY1991 |        |        |        | PA2005 |
| <i>Entoloma salmoneum</i>       | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Entoloma sericellum</i>      | NC1974 |        |        |        |        |        |        |
| <i>Entoloma strictius</i>       |        | NC1980 | NY1991 |        | PA1982 |        | PA2005 |
| <i>Eutypa spinosa</i>           |        |        |        | OH1979 |        |        |        |
| <i>Exidia alba</i>              |        | NC1980 |        |        |        |        |        |
| <i>Exidia glandulosa</i>        |        |        |        | OH1979 |        |        |        |
| <i>Exidia species</i>           | NC1974 |        |        |        |        |        |        |
| <i>Exobasidium vaccinii</i>     |        |        | NY1991 |        |        | WV1977 |        |
| <i>Favolus alveolaris</i>       |        |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Fistulina hepatica</i>       | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Fistulina pallida</i>        | NC1974 |        |        |        |        |        |        |
| <i>Flammulina velutipes</i>     |        |        |        | OH1979 |        |        |        |
| <i>Flavoparmelia caperata</i>   |        |        |        |        |        |        | PA2005 |
| <i>Fomes conchatus</i>          | NC1974 |        |        |        |        |        |        |
| <i>Fomes everhartii</i>         |        | NC1980 |        |        |        |        |        |
| <i>Fomes fomentarius</i>        |        |        | NY1991 |        | PA1982 |        |        |
| <i>Fomes igniarius</i>          |        | NC1980 |        |        |        |        |        |
| <i>Fomes ohiensis</i>           |        |        |        |        |        | WV1977 |        |
| <i>Fomes pini</i>               |        | NC1980 |        |        |        |        |        |
| <i>Fomes rimosus</i>            |        | NC1980 |        |        |        |        |        |
| <i>Fomes roseus</i>             | NC1974 |        |        |        |        |        |        |
| <i>Fomitopsis annosa</i>        | NC1974 | NC1980 |        |        |        |        |        |
| <i>Fomitopsis cajanderi</i>     | NC1974 |        | NY1991 |        |        |        |        |
| <i>Fomitopsis pinicola</i>      |        | NC1980 | NY1991 | OH1979 |        |        |        |
| <i>Fomitopsis spraguei</i>      |        |        |        |        |        |        | PA2005 |
| <i>Fuligo septica</i>           |        |        |        |        |        |        | PA2005 |
| <i>Fulviformus robinae</i>      |        |        |        | OH1979 |        |        |        |
| <i>Fuscoboletinus paluster</i>  |        |        | NY1991 |        |        |        |        |
| <i>Fuscoboletinus serotinus</i> |        |        | NY1991 |        |        |        |        |
| <i>Galerina autumnalis</i>      |        |        |        | OH1979 |        |        |        |
| <i>Galerina paludosa</i>        |        |        | NY1991 |        |        |        |        |
| <i>Galerina species</i>         | NC1974 |        |        |        |        |        |        |
| <i>Galerina sphagnum</i>        |        |        | NY1991 |        | PA1982 |        |        |
| <i>Galiella rufa</i>            |        |        |        |        | PA1982 | WV1977 | PA2005 |

| Foray                           | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected        | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Ganoderma applanatum</i>     | NC1974 |        | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Ganoderma curtisii</i>       | NC1974 |        |        |        |        |        |        |
| <i>Ganoderma lobatum</i>        |        |        |        | OH1979 |        |        |        |
| <i>Ganoderma lucidum</i>        |        |        |        | OH1979 | PA1982 |        |        |
| <i>Ganoderma resinaceum</i>     |        |        |        | OH1979 | PA1982 |        |        |
| <i>Ganoderma tornatum</i>       |        |        |        |        | PA1982 |        |        |
| <i>Ganoderma tsugae</i>         | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Geastrum coronatum</i>       | NC1974 |        |        |        |        |        |        |
| <i>Geastrum fimbriatum</i>      |        |        |        |        |        |        | PA2005 |
| <i>Geastrum rufescens</i>       | NC1974 |        |        |        |        |        |        |
| <i>Geastrum saccatum</i>        |        |        |        | OH1979 |        |        |        |
| <i>Geoglossum difforme</i>      | NC1974 |        |        | OH1979 | PA1982 |        |        |
| <i>Geoglossum glabrum</i>       |        |        |        |        | PA1982 | WV1977 |        |
| <i>Geoglossum glutinosum</i>    | NC1974 |        |        |        |        |        |        |
| <i>Geoglossum nigrum</i>        |        |        | NY1991 |        |        |        |        |
| <i>Gerronema strombodes</i>     |        |        |        |        |        |        | PA2005 |
| <i>Globifomes graveolens</i>    |        |        |        |        | PA1982 |        |        |
| <i>Gloeophyllum sepiarium</i>   |        |        |        |        |        |        | PA2005 |
| <i>Gloeophyllum sepiarium</i>   |        |        | NY1991 |        | PA1982 |        |        |
| <i>Gloeoporus dichrous</i>      |        |        |        |        |        | WV1977 |        |
| <i>Gloeoporus dichrous</i>      |        | NC1980 |        | OH1979 |        | WV1977 | PA2005 |
| <i>Glonium stellatum</i>        |        |        |        |        | PA1982 |        |        |
| <i>Gomphidius maculatus</i>     | NC1974 | NC1980 | NY1991 |        |        |        |        |
| <i>Gomphidius subroseus</i>     | NC1974 |        |        |        |        |        |        |
| <i>Gomphus floccosus</i>        | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 |        |
| <i>Gomphus kauffmanii</i>       |        |        |        |        |        | WV1977 |        |
| <i>Grifola frondosa</i>         | NC1974 |        | NY1991 | OH1979 |        |        |        |
| <i>Grifola gigantea</i>         |        |        |        |        |        | WV1977 |        |
| <i>Gymnopilus cerasinus</i>     |        |        | NY1991 |        |        |        |        |
| <i>Gymnopilus luteus</i>        |        |        |        |        |        |        | PA2005 |
| <i>Gymnopilus penetrans</i>     |        |        | NY1991 | OH1979 |        |        | PA2005 |
| <i>Gymnopilus sapineus</i>      |        |        | NY1991 |        |        |        | PA2005 |
| <i>Gymnopilus spectabilis</i>   |        | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Gymnopus dichrous</i>        |        |        |        |        |        |        | PA2005 |
| <i>Gymnopus dryophilus</i>      |        |        |        |        |        |        | PA2005 |
| <i>Gymnopus iocephala</i>       |        |        |        |        |        |        | PA2005 |
| <i>Gymnopus subnudus</i>        |        |        |        |        |        |        | PA2005 |
| <i>Gymnosporangium clavipes</i> |        |        |        |        |        | WV1977 |        |
| <i>Gyrodon meruloides</i>       |        |        | NY1991 |        |        | WV1977 |        |
| <i>Gyromitra infula</i>         |        |        | NY1991 |        |        |        |        |
| <i>Gyroporus castaneus</i>      | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |

| Foray                               | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected            | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Gyroporus cyanescens</i>         | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 |        |
| <i>Gyroporus purpurinus</i>         |        |        |        |        | PA1982 |        |        |
| <i>Hapalopilus croceus</i>          |        |        |        |        |        |        | PA2005 |
| <i>Hapalopilus nidulans</i>         |        |        | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Hebeloma crustuliniforme</i>     |        |        |        | OH1979 |        |        |        |
| <i>Hebeloma longicaudum</i>         |        |        | NY1991 |        |        |        |        |
| <i>Hebeloma species</i>             | NC1974 | NC1980 |        |        |        |        |        |
| <i>Helminthosphaeria clavariae</i>  |        |        |        |        | PA1982 |        | PA2005 |
| <i>Helminthosphaeria clavaricum</i> | NC1974 | NC1980 |        |        |        |        |        |
| <i>Helotium epiphyllum</i>          |        | NC1980 |        |        |        |        |        |
| <i>Helvella atra</i>                | NC1974 |        |        |        |        |        |        |
| <i>Helvella connivens</i>           | NC1974 |        |        |        |        |        |        |
| <i>Helvella crispa</i>              | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Helvella elastica</i>            |        |        |        |        | PA1982 |        |        |
| <i>Helvella lacunosa</i>            | NC1974 |        | NY1991 |        |        | WV1977 | PA2005 |
| <i>Helvella macropus</i>            | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Helvella sulcata</i>             |        |        |        |        | PA1982 |        |        |
| <i>Hemitrichia calyculata</i>       |        |        |        |        |        |        | PA2005 |
| <i>Hemitrichia clavata</i>          |        |        |        |        |        |        | PA2005 |
| <i>Hericium coralloides</i>         |        | NC1980 | NY1991 | OH1979 |        |        |        |
| <i>Hericium ramosum</i>             | NC1974 | NC1980 | NY1991 | OH1979 |        |        |        |
| <i>Hohenbuehelia angustata</i>      |        |        | NY1991 |        |        |        |        |
| <i>Hohenbuehelia mastrucata</i>     |        | NC1980 |        |        |        |        |        |
| <i>Hohenbuehelia petaloides</i>     | NC1974 |        | NY1991 |        |        |        |        |
| <i>Hormomyces aurantiacus</i>       |        |        |        |        |        |        | PA2005 |
| <i>Humaria hemisphaerica</i>        | NC1974 | NC1980 |        |        | PA1982 | WV1977 | PA2005 |
| <i>Hyaloscypha stevensonii</i>      |        |        |        |        |        | WV1977 |        |
| <i>Hydnellum aurantiacum</i>        | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Hydnellum caeruleum</i>          | NC1974 |        | NY1991 |        | PA1982 |        |        |
| <i>Hydnellum earlianum</i>          | NC1974 |        |        |        |        |        |        |
| <i>Hydnellum peckii</i>             |        |        |        |        |        | WV1977 |        |
| <i>Hydnellum scrobiculatum</i>      | NC1974 |        |        | OH1979 |        | WV1977 |        |
| <i>Hydnellum spongiosipes</i>       |        |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Hydnellum suaveolens</i>         |        | NC1980 |        |        |        |        |        |
| <i>Hydnellum velutinum</i>          |        |        |        |        | PA1982 |        |        |
| <i>Hydnochaete olivacea</i>         |        |        |        |        |        |        | PA2005 |
| <i>Hydnum fennicum</i>              | NC1974 | NC1980 |        |        |        |        |        |
| <i>Hydnum fuligineoviolaceum</i>    |        |        |        |        |        | WV1977 |        |
| <i>Hydnum imbricatum</i>            | NC1974 |        |        | OH1979 |        |        |        |
| <i>Hydnum repandum</i>              |        |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Hydnum rufescens</i>             |        | NC1980 | NY1991 |        | PA1982 |        |        |

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|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|
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| <i>Hydnum scabrosum</i>           | NC1974 |        |        |        |        |        |        |
| <i>Hydnum subalbidum</i>          |        | NC1980 |        |        |        |        |        |
| <i>Hydnum umbilicatum</i>         |        |        | NY1991 |        | PA1982 | WV1977 |        |
| <i>Hygrocybe psitticina</i>       |        | NC1980 |        |        |        |        |        |
| <i>Hygrocybe punicea</i>          | NC1974 | NC1980 |        |        |        |        |        |
| <i>Hygrophoropsis aurantiaca</i>  | NC1974 | NC1980 | NY1991 |        | PA1982 |        | PA2005 |
| <i>Hygrophorus acutoconicus</i>   |        |        |        |        | PA1982 |        |        |
| <i>Hygrophorus angustifolius</i>  |        |        |        |        | PA1982 |        |        |
| <i>Hygrophorus basidiosus</i>     |        |        |        |        | PA1982 |        |        |
| <i>Hygrophorus borealis</i>       | NC1974 |        |        | OH1979 |        |        |        |
| <i>Hygrophorus calyptroformis</i> | NC1974 |        |        |        |        |        |        |
| <i>Hygrophorus cantharellus</i>   |        |        | NY1991 |        |        |        | PA2005 |
| <i>Hygrophorus cantharellus</i>   |        | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Hygrophorus ceraceus</i>       | NC1974 |        |        |        |        |        |        |
| <i>Hygrophorus coccineus</i>      | NC1974 | NC1980 |        |        |        |        |        |
| <i>Hygrophorus conicus</i>        |        |        | NY1991 |        | PA1982 | WV1977 |        |
| <i>Hygrophorus cortinarius</i>    | NC1974 |        |        |        |        |        |        |
| <i>Hygrophorus cuspidatus</i>     |        |        | NY1991 |        |        |        | PA2005 |
| <i>Hygrophorus deceptivus</i>     | NC1974 |        |        |        | PA1982 |        |        |
| <i>Hygrophorus flavescens</i>     | NC1974 |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Hygrophorus laetus</i>         | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Hygrophorus marginatus</i>     | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Hygrophorus miniatus</i>       | NC1974 |        | NY1991 |        | PA1982 |        |        |
| <i>Hygrophorus nitidus</i>        | NC1974 |        | NY1991 |        | PA1982 | WV1977 |        |
| <i>Hygrophorus nitratus</i>       | NC1974 |        | NY1991 |        |        |        |        |
| <i>Hygrophorus pallidus</i>       |        |        |        |        |        | WV1977 |        |
| <i>Hygrophorus pratensis</i>      | NC1974 |        | NY1991 | OH1979 |        |        |        |
| <i>Hygrophorus purpureofolius</i> |        | NC1980 |        |        |        |        |        |
| <i>Hygrophorus russula</i>        | NC1974 |        |        |        |        |        |        |
| <i>Hygrophorus strangulatus</i>   |        |        |        | OH1979 |        |        |        |
| <i>Hygrophorus subovinus</i>      |        |        |        |        | PA1982 |        |        |
| <i>Hygrophorus tennesseensis</i>  | NC1974 |        |        |        |        |        |        |
| <i>Hygrophorus unguinosus</i>     | NC1974 |        |        |        |        |        |        |
| <i>Hymenochaete agglutinans</i>   |        |        |        |        | PA1982 |        |        |
| <i>Hymenochaete fuliginosa</i>    |        |        |        |        | PA1982 |        |        |
| <i>Hymenochaete olivaceum</i>     |        | NC1980 |        |        | PA1982 |        |        |
| <i>Hymenochaete rubiginosa</i>    |        |        |        |        |        |        | PA2005 |
| <i>Hymenochaete</i> sp.           | NC1974 | NC1980 |        |        |        |        |        |
| <i>Hymenochaete tabacina</i>      |        |        | NY1991 |        |        |        | PA2005 |
| <i>Hymenochaete turunbus</i>      |        |        | NY1991 |        |        |        |        |
| <i>Hymenoscyphus candidus</i>     |        |        |        | OH1979 |        |        |        |

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| <i>Hymenoscyphus epiphyllus</i>  |        |        |        |        | PA1982 |        |        |
| <i>Hymenoscyphus fructigenus</i> | NC1974 |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Hymenoscyphus herbarium</i>   |        |        |        |        | PA1982 |        |        |
| <i>Hymenoscyphus phylogenon</i>  |        |        |        |        |        | WV1977 |        |
| <i>Hymenoscyphus scutulus</i>    |        |        |        |        |        | WV1977 |        |
| <i>Hyphodontia sambuci</i>       |        |        |        |        |        |        | PA2005 |
| <i>Hypholoma elongatipes</i>     |        |        | NY1991 |        |        |        |        |
| <i>Hypholoma fasciculare</i>     | NC1974 | NC1980 | NY1991 |        |        |        | PA2005 |
| <i>Hypholoma myosotis</i>        |        |        | NY1991 |        |        |        |        |
| <i>Hypholoma sublateritium</i>   |        |        | NY1991 |        |        |        |        |
| <i>Hypholoma udum</i>            |        |        | NY1991 |        |        |        |        |
| <i>Hypocrea aureoviride</i>      |        |        |        |        | PA1982 |        |        |
| <i>Hypocrea avellanea</i>        |        |        |        |        | PA1982 |        | PA2005 |
| <i>Hypocrea chlorospora</i>      |        |        |        |        |        |        | PA2005 |
| <i>Hypocrea chromosperma</i>     |        |        |        |        |        |        | PA2005 |
| <i>Hypocrea gelatinosa</i>       | NC1974 |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Hypocrea lactea</i>           |        | NC1980 |        |        |        |        |        |
| <i>Hypocrea rufa</i>             | NC1974 |        |        | OH1979 |        |        |        |
| <i>Hypocrea sulphurea</i>        |        |        |        | OH1979 |        | WV1977 |        |
| <i>Hypomyces armeniacus</i>      |        |        |        |        |        |        | PA2005 |
| <i>Hypomyces banningiae</i>      |        | NC1980 |        |        |        |        |        |
| <i>Hypomyces chrysospermus</i>   |        |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Hypomyces hyalinus</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Hypomyces lactifluorum</i>    | NC1974 | NC1980 | NY1991 |        |        | WV1977 | PA2005 |
| <i>Hypomyces lateritius</i>      | NC1974 | NC1980 |        |        |        |        | PA2005 |
| <i>Hypomyces leoticola</i>       |        |        |        |        |        |        | PA2005 |
| <i>Hypomyces luteovirens</i>     | NC1974 | NC1980 |        |        |        | WV1977 | PA2005 |
| <i>Hypomyces viridis</i>         |        |        |        |        |        | WV1977 |        |
| <i>Hypoxydon fragiforme</i>      |        |        |        |        | PA1982 | WV1977 |        |
| <i>Hypoxydon species</i>         | NC1974 |        |        |        |        |        |        |
| <i>Inocybe albodisca</i>         |        |        |        | OH1979 |        |        |        |
| <i>Inocybe calamistrata</i>      |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Inocybe dulcamara</i>         |        |        | NY1991 |        |        |        |        |
| <i>Inocybe fastigiata</i>        | NC1974 |        | NY1991 |        |        |        |        |
| <i>Inocybe geophylla</i>         | NC1974 | NC1980 | NY1991 | OH1979 |        |        |        |
| <i>Inocybe hystrix</i>           |        |        |        | OH1979 |        |        |        |
| <i>Inocybe lacera</i>            |        |        | NY1991 | OH1979 |        |        |        |
| <i>Inocybe lanatodisca</i>       |        |        |        | OH1979 |        |        |        |
| <i>Inocybe lanuginella</i>       |        |        | NY1991 |        |        |        |        |
| <i>Inocybe lanuginosa</i>        |        |        | NY1991 |        |        |        |        |
| <i>Inocybe leptophylla</i>       |        |        | NY1991 |        |        |        |        |

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| <i>Inocybe lilacina</i>           | NC1974 |        |        | OH1979 |        |        |        |
| <i>Inocybe longicystis</i>        |        |        |        | OH1979 |        |        |        |
| <i>Inocybe nodulosa</i>           |        |        | NY1991 |        |        |        |        |
| <i>Inocybe pyriodora</i>          |        |        |        | OH1979 |        |        |        |
| <i>Inocybe sect marginatae</i>    |        |        |        | OH1979 |        |        |        |
| <i>Inocybe species</i>            |        | NC1980 |        |        |        |        |        |
| <i>Inocybe tahquamenonensis</i>   | NC1974 |        |        | OH1979 |        |        | PA2005 |
| <i>Inocybe trechispora</i>        |        |        |        | OH1979 |        |        |        |
| <i>Inonotus cuticularis</i>       |        |        | NY1991 | OH1979 |        |        |        |
| <i>Inonotus dryadeus</i>          |        |        |        |        | PA1982 |        | PA2005 |
| <i>Inonotus obliquus</i>          |        |        | NY1991 |        |        |        |        |
| <i>Inonotus radiatus</i>          |        |        |        |        |        |        | PA2005 |
| <i>Inonotus tomentosus</i>        |        |        | NY1991 |        |        |        |        |
| <i>Ionomidotis irregularis</i>    |        |        |        |        | PA1982 |        |        |
| <i>Irpex lacteus</i>              |        |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Irpex mollis</i>               |        |        |        | OH1979 |        |        |        |
| <i>Ischnoderma resinosus</i>      |        |        | NY1991 |        |        |        |        |
| <i>Jafnea semicosta</i>           | NC1974 |        |        | OH1979 |        |        |        |
| <i>Jahnoporus hirtus</i>          |        |        |        |        |        |        | PA2005 |
| <i>Junghuhnia nitida</i>          |        |        |        |        |        |        | PA2005 |
| <i>Laccaria amythestina</i>       |        |        |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Laccaria bicolor</i>           | NC1974 |        | NY1991 |        |        |        |        |
| <i>Laccaria farinacea</i>         |        | NC1980 |        |        |        |        |        |
| <i>Laccaria laccata</i>           | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Laccaria nobilis</i>           |        |        | NY1991 |        |        |        |        |
| <i>Laccaria ochropurpurea</i>     | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 |        |
| <i>Laccaria ohiensis</i>          |        |        |        |        | PA1982 | WV1977 |        |
| <i>Laccaria proxima</i>           |        | NC1980 | NY1991 |        |        |        |        |
| <i>Laccaria pumila</i>            |        |        | NY1991 |        |        |        |        |
| <i>Laccaria sp.</i>               |        | NC1980 |        |        |        |        |        |
| <i>Laccaria subpurpureus</i>      | NC1974 |        |        |        |        |        |        |
| <i>Laccaria tetraspora</i>        |        | NC1980 |        |        | PA1982 |        |        |
| <i>Lachnellula calyciformis</i>   |        |        | NY1991 |        |        |        |        |
| <i>Lachnellula laricis</i>        |        |        | NY1991 |        |        |        |        |
| <i>Lachnum caricis</i>            |        |        | NY1991 |        |        |        |        |
| <i>Lachnum virgineum</i>          |        |        | NY1991 |        |        |        | PA2005 |
| <i>Lactarius affinis</i>          |        |        | NY1991 | OH1979 |        |        |        |
| <i>Lactarius allardii</i>         | NC1974 |        |        |        |        |        | PA2005 |
| <i>Lactarius aquifluis</i>        |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Lactarius argillaceifolius</i> | NC1974 | NC1980 | NY1991 |        |        |        |        |
| <i>Lactarius atroviridis</i>      | NC1974 |        |        |        | PA1982 |        | PA2005 |

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|----------------------------------|--------|--------|--------|--------|--------|--------|--------|
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| <i>Lactarius camphoratus</i>     | NC1974 |        | NY1991 |        | PA1982 | WV1977 |        |
| <i>Lactarius carbonicola</i>     |        |        |        | OH1979 |        |        |        |
| <i>Lactarius chrysorheus</i>     |        |        |        |        | PA1982 |        |        |
| <i>Lactarius cinereus</i>        | NC1974 |        |        | OH1979 | PA1982 |        |        |
| <i>Lactarius colorascens</i>     | NC1974 |        |        |        | PA1982 |        |        |
| <i>Lactarius corrugis</i>        | NC1974 | NC1980 |        |        | PA1982 | WV1977 | PA2005 |
| <i>Lactarius croceus</i>         | NC1974 | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Lactarius deceptivus</i>      | NC1974 |        | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Lactarius deliciosus</i>      |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Lactarius dispersus</i>       |        | NC1980 |        |        |        |        |        |
| <i>Lactarius frustratus</i>      |        | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Lactarius fulgineus</i>       |        |        |        |        | PA1982 |        |        |
| <i>Lactarius fumosus</i>         | NC1974 |        |        |        | PA1982 | WV1977 |        |
| <i>Lactarius gerardii</i>        | NC1974 |        | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Lactarius glaucescens</i>     | NC1974 |        |        |        |        | WV1977 | PA2005 |
| <i>Lactarius glyciosmus</i>      |        |        | NY1991 |        |        |        |        |
| <i>Lactarius griseus</i>         | NC1974 |        | NY1991 |        | PA1982 |        | PA2005 |
| <i>Lactarius hepaticus</i>       |        |        |        | OH1979 |        |        |        |
| <i>Lactarius hibbardae</i>       |        |        | NY1991 | OH1979 |        |        |        |
| <i>Lactarius hygrophoroides</i>  |        |        | NY1991 |        | PA1982 |        | PA2005 |
| <i>Lactarius hysinus</i>         |        | NC1980 |        |        |        |        |        |
| <i>Lactarius imperceptus</i>     | NC1974 | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Lactarius indigo</i>          | NC1974 | NC1980 |        |        |        |        |        |
| <i>Lactarius lignyotellus</i>    |        |        |        |        |        |        | PA2005 |
| <i>Lactarius lignyotus</i>       | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Lactarius luteolus</i>        |        |        |        |        | PA1982 |        |        |
| <i>Lactarius maculatipes</i>     |        | NC1980 |        |        |        |        |        |
| <i>Lactarius marylandicus</i>    | NC1974 |        |        |        |        |        |        |
| <i>Lactarius mucidus</i>         | NC1974 | NC1980 | NY1991 |        | PA1982 |        |        |
| <i>Lactarius mutabilis</i>       | NC1974 |        | NY1991 |        |        |        |        |
| <i>Lactarius neuhoffii</i>       |        |        |        |        | PA1982 |        |        |
| <i>Lactarius oculatus</i>        |        |        | NY1991 |        |        |        |        |
| <i>Lactarius paradoxus</i>       | NC1974 |        |        |        |        |        |        |
| <i>Lactarius peckii</i>          | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Lactarius perceptivus</i>     |        | NC1980 |        |        |        |        |        |
| <i>Lactarius piperatus</i>       | NC1974 |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Lactarius proximellus</i>     |        | NC1980 |        |        |        |        |        |
| <i>Lactarius pseudoflexuosus</i> |        | NC1980 |        |        |        | WV1977 |        |
| <i>Lactarius pyrogalus</i>       |        |        |        |        |        | WV1977 |        |
| <i>Lactarius quietus</i>         |        |        |        | OH1979 |        |        | PA2005 |
| <i>Lactarius rimosellus</i>      |        | NC1980 |        |        | PA1982 | WV1977 |        |

| Foray                                | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected             | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Lactarius rufus</i>               |        |        | NY1991 | OH1979 |        |        |        |
| <i>Lactarius sordidus</i>            |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Lactarius speciosus</i>           | NC1974 |        |        |        |        |        |        |
| <i>Lactarius subdulcis</i>           |        |        | NY1991 |        | PA1982 |        |        |
| <i>Lactarius subplinthogalus</i>     |        | NC1980 |        |        |        |        |        |
| <i>Lactarius subpurpureus</i>        | NC1974 | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Lactarius substriatus</i>         | NC1974 |        |        |        |        |        |        |
| <i>Lactarius subvellereus</i>        | NC1974 |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Lactarius thiogalus</i>           | NC1974 |        |        |        |        |        |        |
| <i>Lactarius thyinos</i>             |        |        | NY1991 |        |        |        |        |
| <i>Lactarius tometoso-marginatus</i> |        | NC1980 |        |        | PA1982 |        |        |
| <i>Lactarius torminosus</i>          | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Lactarius trivialis</i>           | NC1974 |        |        |        |        | WV1977 |        |
| <i>Lactarius turpis</i>              | NC1974 |        |        |        |        |        |        |
| <i>Lactarius uvidus</i>              |        |        | NY1991 |        | PA1982 | WV1977 |        |
| <i>Lactarius vellereus</i>           | NC1974 |        |        |        |        | WV1977 |        |
| <i>Lactarius vietus</i>              |        |        | NY1991 |        |        |        |        |
| <i>Lactarius vinaceorufescens</i>    |        | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Lactarius volemus</i>             | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Lactarius zonarius</i>            | NC1974 |        |        |        |        |        |        |
| <i>Laeticorticium roseum</i>         |        | NC1980 |        |        |        |        |        |
| <i>Laetiporus cincinnatus</i>        |        |        |        |        |        |        | PA2005 |
| <i>Laetiporus semialbinus</i>        |        |        |        |        | PA1982 |        |        |
| <i>Laetiporus sulphureus</i>         |        |        | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Lasallia pennsylvanica</i>        |        |        |        |        |        |        | PA2005 |
| <i>Lasiosphaeria hispida</i>         |        |        |        |        | PA1982 |        |        |
| <i>Lasiosphaeria ovina</i>           | NC1974 |        |        |        |        | WV1977 |        |
| <i>Leccinum albellum</i>             | NC1974 | NC1980 | NY1991 |        |        |        | PA2005 |
| <i>Leccinum atrostopitatum</i>       |        |        | NY1991 |        |        |        |        |
| <i>Leccinum coffeatum</i>            |        |        |        |        | PA1982 |        |        |
| <i>Leccinum duriusculum</i>          |        |        | NY1991 |        |        |        |        |
| <i>Leccinum holopus</i>              |        | NC1980 | NY1991 |        |        |        |        |
| <i>Leccinum insigne</i>              |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Leccinum luteum</i>               |        |        |        |        |        | WV1977 |        |
| <i>Leccinum rugosiceps</i>           | NC1974 | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Leccinum scabrum</i>              | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 |        |
| <i>Leccinum sect. luteoscabra</i>    | NC1974 |        |        |        |        |        |        |
| <i>Leccinum snellii</i>              |        |        | NY1991 |        | PA1982 |        |        |
| <i>Leccinum subglabripes</i>         |        |        | NY1991 |        |        |        |        |
| <i>Leccinum subtestaceum</i>         |        |        | NY1991 |        |        |        |        |
| <i>Lentaria byssiseca</i>            | NC1974 |        |        | OH1979 |        |        |        |

| Foray                             | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected          | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Lentinellus cochleatus</i>     | NC1974 |        | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Lentinellus flabelliformis</i> | NC1974 |        |        |        |        |        |        |
| <i>Lentinellus ursinus</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Lentinellus vulpinus</i>       |        | NC1980 |        |        |        |        |        |
| <i>Lentinus lepideus</i>          |        |        |        |        | PA1982 |        |        |
| <i>Lentinus tigrinus</i>          |        | NC1980 |        |        |        |        |        |
| <i>Lenzites betulina</i>          | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Lenzites sepiaria</i>          |        | NC1980 |        |        |        |        |        |
| <i>Leotia atrovirens</i>          |        |        |        |        | PA1982 | WV1977 |        |
| <i>Leotia lubrica</i>             | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Leotia viscosa</i>             |        |        |        | OH1979 | PA1982 |        |        |
| <i>Lepiota acutesquamosa</i>      |        | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Lepiota americana</i>          |        |        | NY1991 |        |        |        | PA2005 |
| <i>Lepiota asperula</i>           |        |        |        |        |        | WV1977 |        |
| <i>Lepiota atrodisca</i>          |        |        |        |        | PA1982 |        |        |
| <i>Lepiota brunnea</i>            |        | NC1980 |        |        |        |        |        |
| <i>Lepiota brunnescens</i>        |        |        |        | OH1979 | PA1982 |        |        |
| <i>Lepiota castanea</i>           |        |        |        | OH1979 |        |        |        |
| <i>Lepiota cepaestipes</i>        |        | NC1980 |        |        |        |        | PA2005 |
| <i>Lepiota clypeolaria</i>        | NC1974 |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Lepiota cristata</i>           | NC1974 |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Lepiota felina</i>             |        |        |        | OH1979 |        |        |        |
| <i>Lepiota fragilissimus</i>      |        | NC1980 |        |        |        |        |        |
| <i>Lepiota friesii</i>            |        |        | NY1991 |        |        |        |        |
| <i>Lepiota fuscosquamae</i>       | NC1974 |        |        |        |        |        |        |
| <i>Lepiota kuehneri</i>           |        |        |        | OH1979 |        |        |        |
| <i>Lepiota procera</i>            | NC1974 | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Lepiota roseolivida</i>        |        |        |        |        | PA1982 |        |        |
| <i>Lepiota rubotincta</i>         |        | NC1980 |        |        | PA1982 |        |        |
| <i>Lepiota seminuda</i>           |        | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Lepiota species</i>            |        | NC1980 |        |        |        |        |        |
| <i>Lepista caespitosus</i>        |        |        |        |        |        | WV1977 |        |
| <i>Lepista lucina</i>             |        |        |        |        | PA1982 |        |        |
| <i>Leptonia griseocyanea</i>      |        |        |        |        | PA1982 |        |        |
| <i>Leptonia incana</i>            |        |        | NY1991 |        |        |        |        |
| <i>Leptonia parva</i>             | NC1974 |        | NY1991 |        |        |        |        |
| <i>Leptonia porphyrophaeum</i>    |        |        |        |        | PA1982 |        |        |
| <i>Leptonia serrulata</i>         | NC1974 |        | NY1991 |        |        |        | PA2005 |
| <i>Leucopaxillus albissimus</i>   |        |        |        |        | PA1982 |        |        |
| <i>Leucopaxillus laterarius</i>   |        |        |        |        |        | WV1977 |        |
| <i>Limacella glischra</i>         |        |        |        |        | PA1982 |        |        |

| Foray                             | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected          | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Lophodermium pinastri</i>      |        | NC1980 | NY1991 |        |        |        |        |
| <i>Lycogala epidendrum</i>        |        |        |        |        |        |        | PA2005 |
| <i>Lycoperdon candidum</i>        |        |        |        |        | PA1982 |        |        |
| <i>Lycoperdon echinatum</i>       |        |        |        |        | PA1982 |        |        |
| <i>Lycoperdon marginatum</i>      |        | NC1980 | NY1991 |        |        |        | PA2005 |
| <i>Lycoperdon pedicellatum</i>    | NC1974 |        |        |        |        |        |        |
| <i>Lycoperdon perlatum</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Lycoperdon pusillum</i>        | NC1974 |        |        |        |        |        |        |
| <i>Lycoperdon pyriforme</i>       |        |        | NY1991 | OH1979 |        |        | PA2005 |
| <i>Lycoperdon umbrinum</i>        |        |        | NY1991 |        |        |        |        |
| <i>Lyophyllum decastes</i>        | NC1974 |        | NY1991 |        |        | WV1977 | PA2005 |
| <i>Lyophyllum multiceps</i>       |        |        |        |        | PA1982 |        |        |
| <i>Lyophyllum palustre</i>        |        |        | NY1991 |        |        |        |        |
| <i>Lyophyllum</i> sp.             |        | NC1980 |        |        |        |        |        |
| <i>Lysurus borealis</i>           | NC1974 |        |        |        |        |        |        |
| <i>Macrocystidia cucumis</i>      |        |        |        | OH1979 |        |        |        |
| <i>Macrolepiota procera</i>       |        |        |        |        |        |        | PA2005 |
| <i>Marasmiellus nigripes</i>      |        |        |        |        | PA1982 |        | PA2005 |
| <i>Marasmiellus opacus</i>        |        |        |        |        |        |        | PA2005 |
| <i>Marasmiellus</i> sp.           | NC1974 |        |        |        |        |        |        |
| <i>Marasmius albiceps</i>         | NC1974 |        |        |        |        |        |        |
| <i>Marasmius androsaceus</i>      |        |        |        |        |        | WV1977 |        |
| <i>Marasmius capillaris</i>       | NC1974 |        |        |        |        |        |        |
| <i>Marasmius cohaerens</i>        | NC1974 | NC1980 | NY1991 |        | PA1982 |        |        |
| <i>Marasmius delectans</i>        |        |        |        |        | PA1982 | WV1977 |        |
| <i>Marasmius foetidus</i>         | NC1974 |        |        |        |        |        |        |
| <i>Marasmius fulvoferrugineus</i> |        | NC1980 |        |        |        |        |        |
| <i>Marasmius insipidus</i>        |        |        |        |        | PA1982 |        |        |
| <i>Marasmius insititius</i>       | NC1974 |        |        |        |        |        |        |
| <i>Marasmius nigrodiscus</i>      |        |        |        |        |        |        | PA2005 |
| <i>Marasmius oreades</i>          |        |        | NY1991 | OH1979 |        | WV1977 |        |
| <i>Marasmius perforans</i>        | NC1974 |        |        |        |        |        |        |
| <i>Marasmius pulcheripes</i>      | NC1974 |        |        |        |        | WV1977 | PA2005 |
| <i>Marasmius pyrrhocephalus</i>   |        |        |        | OH1979 |        | WV1977 |        |
| <i>Marasmius resinosus</i>        |        |        |        |        |        | WV1977 |        |
| <i>Marasmius rhododendri</i>      | NC1974 |        |        |        |        |        |        |
| <i>Marasmius rotula</i>           | NC1974 |        | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Marasmius scorodonius</i>      | NC1974 | NC1980 |        | OH1979 |        |        | PA2005 |
| <i>Marasmius siccus</i>           | NC1974 |        |        | OH1979 | PA1982 |        | PA2005 |
| <i>Marasmius</i> sp.              | NC1974 |        |        |        |        |        |        |
| <i>Marasmius spissus</i>          |        |        |        |        | PA1982 |        |        |

| Foray                           | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected        | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Marasmius strictipes</i>     | NC1974 |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Marasmius subnudus</i>       | NC1974 |        |        |        |        |        |        |
| <i>Marasmius sullivantii</i>    |        |        |        |        | PA1982 |        |        |
| <i>Marasmius tenuifolia</i>     |        |        |        |        | PA1982 |        |        |
| <i>Megacollybia platyphylla</i> |        |        |        |        |        |        | PA2005 |
| <i>Melanoleuca alboflavida</i>  |        |        | NY1991 |        | PA1982 |        | PA2005 |
| <i>Melanoleuca melaleuca</i>    |        |        |        |        | PA1982 |        |        |
| <i>Melanospora episphaeria</i>  |        | NC1980 |        |        |        |        |        |
| <i>Meripilus giganteus</i>      |        |        |        |        | PA1982 |        |        |
| <i>Meripilus sumstinei</i>      |        |        |        |        |        |        | PA2005 |
| <i>Merulinus tremelosus</i>     | NC1974 | NC1980 |        |        |        |        |        |
| <i>Metatrichia vesparium</i>    |        |        |        |        |        |        | PA2005 |
| <i>Microglossum olivaceum</i>   |        |        |        |        | PA1982 |        |        |
| <i>Microglossum rufum</i>       |        |        |        |        |        | WV1977 |        |
| <i>Micromphale foetidum</i>     |        |        |        |        |        | WV1977 |        |
| <i>Microsphaera penicillata</i> |        |        |        |        |        |        | PA2005 |
| <i>Microstoma floccosa</i>      |        |        |        |        |        | WV1977 |        |
| <i>Mitrula rufescens</i>        | NC1974 |        |        |        |        |        |        |
| <i>Mollisia cinerea</i>         |        |        | NY1991 | OH1979 |        | WV1977 |        |
| <i>Mollisia species</i>         | NC1974 |        |        |        |        |        |        |
| <i>Morganella subincarnata</i>  |        |        | NY1991 |        |        |        |        |
| <i>Multiclavula mucida</i>      | NC1974 | NC1980 | NY1991 |        |        |        |        |
| <i>Mutinus caninus</i>          | NC1974 | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Mutinus elegans</i>          |        |        |        | OH1979 |        | WV1977 | PA2005 |
| <i>Mutinus ravenelii</i>        |        |        |        |        | PA1982 |        |        |
| <i>Mycena abramsii</i>          |        |        | NY1991 |        |        |        |        |
| <i>Mycena acicula</i>           | NC1974 |        | NY1991 |        |        |        |        |
| <i>Mycena adonis</i>            | NC1974 |        |        |        |        |        |        |
| <i>Mycena alcalina</i>          |        |        | NY1991 |        |        |        |        |
| <i>Mycena atkinsoniana</i>      |        |        |        | OH1979 |        |        |        |
| <i>Mycena corticola</i>         | NC1974 |        |        | OH1979 |        |        |        |
| <i>Mycena epipterygia</i>       |        |        | NY1991 |        |        |        |        |
| <i>Mycena fibula</i>            | NC1974 | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Mycena galericulata</i>      | NC1974 | NC1980 |        | OH1979 |        |        |        |
| <i>Mycena haematopus</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Mycena inclinata</i>         |        |        |        |        | PA1982 |        |        |
| <i>Mycena integra</i>           |        |        | NY1991 |        |        |        |        |
| <i>Mycena iodiolens</i>         |        |        |        | OH1979 |        |        |        |
| <i>Mycena leaiana</i>           |        |        | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Mycena lilacefolia</i>       |        |        | NY1991 |        |        |        |        |
| <i>Mycena lutea</i>             | NC1974 |        |        |        |        |        |        |

| Foray                              | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected           | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Mycena luteopallens</i>         |        | NC1980 |        | OH1979 |        |        |        |
| <i>Mycena pura</i>                 | NC1974 | NC1980 | NY1991 | OH1979 |        |        |        |
| <i>Mycena rorida</i>               | NC1974 |        |        |        |        |        |        |
| <i>Mycena roseipallens</i>         |        |        |        | OH1979 |        |        |        |
| <i>Mycena rutilantiformis</i>      |        |        | NY1991 |        |        |        |        |
| <i>Mycena sanguinolenta</i>        |        |        | NY1991 |        | PA1982 |        |        |
| <i>Mycena</i> sp.                  |        | NC1980 |        |        |        |        |        |
| <i>Mycena subcaerulea</i>          |        |        |        | OH1979 | PA1982 |        |        |
| <i>Mycocalicium polyporaeum</i>    |        |        |        |        | PA1982 |        |        |
| <i>Mycorrhaphium adustum</i>       |        |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Naematoloma fasciculare</i>     |        |        |        |        | PA1982 |        |        |
| <i>Naematoloma radicosum</i>       | NC1974 |        |        |        |        |        |        |
| <i>Naematoloma sublateralitium</i> |        |        |        | OH1979 |        |        |        |
| <i>Naematoloma udum</i>            |        |        |        |        | PA1982 |        |        |
| <i>Naucoria centunculus</i>        |        |        |        | OH1979 |        |        |        |
| <i>Nectria candicans</i>           |        | NC1980 |        |        |        |        |        |
| <i>Nectria cinnabarina</i>         |        |        | NY1991 |        |        |        |        |
| <i>Nectria diplocarpa</i>          |        |        | NY1991 |        |        |        |        |
| <i>Neocudoniella radicella</i>     |        |        | NY1991 |        |        |        |        |
| <i>Neolecta irregularis</i>        | NC1974 |        |        |        |        |        |        |
| <i>Nolanea alboubonatum</i>        |        |        |        |        | PA1982 |        |        |
| <i>Nolanea conica</i>              | NC1974 |        |        |        | PA1982 |        |        |
| <i>Nolanea dysthales</i>           | NC1974 |        |        |        |        |        |        |
| <i>Nolanea latifolis</i>           |        |        |        | OH1979 |        |        |        |
| <i>Nolanea nodospora</i>           |        |        | NY1991 |        |        |        |        |
| <i>Nolanea porphyrophaea</i>       |        |        |        | OH1979 |        |        |        |
| <i>Nolanea sericea</i>             |        |        |        | OH1979 |        |        |        |
| <i>Nolanea strictior</i>           | NC1974 |        |        |        |        |        |        |
| <i>Oligoporus fragilis</i>         |        |        | NY1991 |        |        |        | PA2005 |
| <i>Oligoporus tephroleucus</i>     |        |        |        |        |        |        | PA2005 |
| <i>Omphalina chrysophylla</i>      |        |        |        |        |        | WV1977 |        |
| <i>Omphalina epichysium</i>        |        |        | NY1991 |        |        |        |        |
| <i>Omphalina subclavata</i>        | NC1974 |        |        |        |        |        |        |
| <i>Omphalotus illudens</i>         | NC1974 |        |        |        |        | WV1977 | PA2005 |
| <i>Omphalotus olearius</i>         | NC1974 | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Onnia tomentosa</i>             |        |        |        | OH1979 |        |        |        |
| <i>Orbilina auricolor</i>          |        |        |        |        |        | WV1977 |        |
| <i>Orbilina xanthestigma</i>       |        |        | NY1991 |        |        | WV1977 | PA2005 |
| <i>Ostracoderma</i> sp.            |        |        |        |        |        |        | PA2005 |
| <i>Otidia alutacea</i>             |        |        |        |        | PA1982 | WV1977 |        |
| <i>Otidia leporina</i>             |        | NC1980 |        |        | PA1982 |        |        |

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|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected          | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Otidia</i> sp.                 | NC1974 |        |        |        |        |        |        |
| <i>Oudemansiella radicata</i>     | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 |        |
| <i>Oxyporus populinus</i>         |        |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Pachyella babingtonii</i>      | NC1974 |        |        |        |        |        |        |
| <i>Pachyella clypeata</i>         | NC1974 |        |        | OH1979 |        |        |        |
| <i>Panaeolus foeniseca</i>        |        |        |        | OH1979 |        |        |        |
| <i>Panaeolus papilionaceus</i>    |        |        |        |        |        |        | PA2005 |
| <i>Panaeolus phalaenarum</i>      |        | NC1980 |        |        |        |        |        |
| <i>Panaeolus retirugis</i>        | NC1974 |        |        |        |        |        |        |
| <i>Panaeolus solidipes</i>        | NC1974 |        |        |        |        |        |        |
| <i>Panaeolus sphinctrinus</i>     | NC1974 |        |        |        |        |        |        |
| <i>Panellus serotinus</i>         |        | NC1980 |        |        |        |        |        |
| <i>Panellus stipticus</i>         | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Panellus violaceofulvus</i>    |        |        |        |        |        |        | PA2005 |
| <i>Panus rudis</i>                |        | NC1980 |        |        |        | WV1977 |        |
| <i>Panus strigosus</i>            |        |        |        |        |        | WV1977 |        |
| <i>Panus torulosus</i>            | NC1974 |        |        |        |        |        |        |
| <i>Parmotrema hypotropum</i>      |        |        |        |        |        |        | PA2005 |
| <i>Paxillus atrotomentosus</i>    | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Paxillus curtisii</i>          | NC1974 | NC1980 |        |        |        |        |        |
| <i>Paxillus involutus</i>         | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Paxillus panuoides</i>         |        |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Peltigera canina</i>           |        |        |        |        |        |        | PA2005 |
| <i>Peniophora cinerea</i>         |        |        |        |        |        | WV1977 |        |
| <i>Peniophora</i> sp.             |        |        |        |        |        |        | PA2005 |
| <i>Perenniporia frazinophilus</i> |        |        |        | OH1979 |        |        |        |
| <i>Perenniporia ohioensis</i>     |        |        |        |        |        |        | PA2005 |
| <i>Perenniporia subacida</i>      |        |        |        | OH1979 | PA1982 |        |        |
| <i>Pestalopezia rhododendri</i>   | NC1974 |        |        |        |        |        |        |
| <i>Pezicula livida</i>            |        | NC1980 |        |        |        | WV1977 |        |
| <i>Peziza badia</i>               |        | NC1980 |        |        |        |        |        |
| <i>Peziza badio-confusa</i>       |        |        | NY1991 |        |        |        |        |
| <i>Peziza boltonii</i>            | NC1974 |        |        |        |        |        |        |
| <i>Peziza endocarpoides</i>       | NC1974 |        |        |        |        |        |        |
| <i>Peziza repanda</i>             |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Peziza succosa</i>             | NC1974 | NC1980 |        |        |        | WV1977 |        |
| <i>Peziza succosella</i>          | NC1974 |        |        |        |        |        |        |
| <i>Peziza vesiculosa</i>          |        |        |        |        |        |        | PA2005 |
| <i>Peziza violacea</i>            |        |        |        |        | PA1982 |        |        |
| <i>Phaeocalicium polyporaeum</i>  |        |        | NY1991 |        |        |        | PA2005 |
| <i>Phaeocollybia christinae</i>   |        |        |        | OH1979 |        |        |        |

| Foray                              | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected           | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Phaeocollybia jennea</i>        |        |        |        | OH1979 |        |        |        |
| <i>Phaeohelotium monticola</i>     |        |        | NY1991 |        |        |        |        |
| <i>Phaeolus schweinitzii</i>       | NC1974 |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Phaeomarasmius erinaceellus</i> |        |        |        |        |        |        | PA2005 |
| <i>Phallogaster saccatus</i>       |        |        |        |        |        | WV1977 |        |
| <i>Phallus impudicus</i>           |        |        |        | OH1979 |        |        |        |
| <i>Phallus ravenelii</i>           | NC1974 |        |        |        |        |        |        |
| <i>Phanerochaete chrysorhiza</i>   |        | NC1980 | NY1991 |        | PA1982 |        |        |
| <i>Phanerochaete sanguinea</i>     |        | NC1980 |        |        | PA1982 |        |        |
| <i>Phellinus chrysoloma</i>        |        |        | NY1991 |        |        |        |        |
| <i>Phellinus everhartii</i>        |        |        |        |        |        | WV1977 |        |
| <i>Phellinus ferrugineo-fuscus</i> |        |        | NY1991 |        |        |        |        |
| <i>Phellinus ferruginosus</i>      |        |        |        |        | PA1982 |        | PA2005 |
| <i>Phellinus gilvus</i>            |        | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Phellinus igniarius</i>         |        |        | NY1991 |        |        |        |        |
| <i>Phellinus rimosus</i>           |        |        |        |        |        | WV1977 |        |
| <i>Phellinus robustus</i>          | NC1974 |        |        |        |        |        |        |
| <i>Phellinus viticola</i>          |        |        |        |        | PA1982 |        |        |
| <i>Phellodon confluens</i>         | NC1974 |        |        | OH1979 |        |        |        |
| <i>Phellodon niger</i>             | NC1974 |        |        |        | PA1982 | WV1977 |        |
| <i>Phialea cyathoidea</i>          |        |        |        |        |        | WV1977 |        |
| <i>Phlebia acerina</i>             |        |        | NY1991 |        |        |        |        |
| <i>Phlebia tremellosa</i>          |        |        | NY1991 |        |        |        |        |
| <i>Phlebiella vaga</i>             |        |        |        |        | PA1982 |        |        |
| <i>Phleogena decorticata</i>       |        |        |        |        |        | WV1977 |        |
| <i>Phleogena faginea</i>           |        |        |        | OH1979 | PA1982 |        |        |
| <i>Pholiota albocrenulata</i>      |        |        | NY1991 |        |        |        |        |
| <i>Pholiota astragalina</i>        | NC1974 |        |        |        |        |        |        |
| <i>Pholiota aurivella</i>          |        |        |        | OH1979 |        |        |        |
| <i>Pholiota confragosa</i>         | NC1974 |        |        |        |        |        |        |
| <i>Pholiota curvipes</i>           |        |        |        |        |        | WV1977 |        |
| <i>Pholiota erinacea</i>           |        |        | NY1991 |        |        |        |        |
| <i>Pholiota flammans</i>           |        |        | NY1991 |        |        |        |        |
| <i>Pholiota granulosa</i>          |        |        |        | OH1979 |        |        |        |
| <i>Pholiota lenta</i>              |        |        |        | OH1979 |        |        |        |
| <i>Pholiota malicola</i>           | NC1974 |        |        | OH1979 |        |        |        |
| <i>Pholiota polychroa</i>          | NC1974 |        |        |        |        |        |        |
| <i>Pholiota scamba</i>             |        |        | NY1991 |        |        |        |        |
| <i>Pholiota spumosa</i>            |        |        | NY1991 |        |        |        |        |
| <i>Pholiota squarrosa</i>          |        |        | NY1991 |        | PA1982 |        |        |
| <i>Pholiota squarrosoides</i>      | NC1974 |        | NY1991 | OH1979 | PA1982 |        |        |

| Foray                             | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected          | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Phylloporus leucomycelinus</i> |        |        |        |        |        |        | PA2005 |
| <i>Phylloporus rhodoxanthus</i>   | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Phyllotopsis nidulans</i>      |        |        | NY1991 | OH1979 |        |        | PA2005 |
| <i>Physarum globuliferum</i>      |        |        |        |        |        |        | PA2005 |
| <i>Physarum viride</i>            |        |        |        |        |        |        | PA2005 |
| <i>Physcia millegrana</i>         |        |        |        |        |        |        | PA2005 |
| <i>Piptoporus betulinus</i>       |        |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Pisolithus tinctorius</i>      | NC1974 | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Pleurocolla compressa</i>      |        |        |        |        |        |        | PA2005 |
| <i>Pleurocybella porrigens</i>    | NC1974 |        |        | OH1979 | PA1982 |        |        |
| <i>Pleurotus candidissimus</i>    | NC1974 |        |        |        |        |        |        |
| <i>Pleurotus dryinus</i>          |        |        |        |        |        | WV1977 | PA2005 |
| <i>Pleurotus elongatipes</i>      |        |        |        |        | PA1982 |        |        |
| <i>Pleurotus laevis</i>           |        |        | NY1991 |        |        |        | PA2005 |
| <i>Pleurotus ostreatus</i>        | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Pleurotus pulmonarius</i>      |        |        | NY1991 |        |        |        |        |
| <i>Pleurotus sapidus</i>          | NC1974 | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Pleurotus septicus</i>         | NC1974 |        |        |        |        |        |        |
| <i>Pleurotus ulmarius</i>         |        |        |        | OH1979 |        |        |        |
| <i>Plicatura nivea</i>            |        |        |        |        |        |        | PA2005 |
| <i>Plicaturopsis crispa</i>       | NC1974 |        |        |        | PA1982 |        |        |
| <i>Pluteus admirabilis</i>        |        |        | NY1991 |        |        |        |        |
| <i>Pluteus atricapillus</i>       |        |        |        | OH1979 |        |        |        |
| <i>Pluteus cervinus</i>           | NC1974 |        | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Pluteus chrysophaeus</i>       |        |        | NY1991 |        |        |        |        |
| <i>Pluteus flavofulgineus</i>     |        |        | NY1991 |        | PA1982 | WV1977 |        |
| <i>Pluteus granularis</i>         |        |        | NY1991 | OH1979 |        |        |        |
| <i>Pluteus longistriatus</i>      |        |        | NY1991 |        |        | WV1977 | PA2005 |
| <i>Pluteus pellitis</i>           | NC1974 |        | NY1991 |        | PA1982 |        |        |
| <i>Pluteus petasatus</i>          |        |        | NY1991 |        |        |        |        |
| <i>Pluteus plautus</i>            |        |        | NY1991 |        |        |        |        |
| <i>Pluteus rugosodisca</i>        |        |        | NY1991 |        |        |        |        |
| <i>Pluteus salicinus</i>          |        |        | NY1991 |        |        | WV1977 |        |
| <i>Pluteus seticeps</i>           |        |        |        |        |        | WV1977 |        |
| <i>Pluteus thompsonii</i>         |        |        |        |        | PA1982 |        |        |
| <i>Pluteus umbrosus</i>           |        | NC1980 |        |        |        |        |        |
| <i>Podostroma alutaceum</i>       |        |        | NY1991 |        |        |        | PA2005 |
| <i>Polyporus abietinus</i>        | NC1974 | NC1980 |        |        |        |        |        |
| <i>Polyporus adustus</i>          |        | NC1980 |        |        |        |        |        |
| <i>Polyporus albellus</i>         | NC1974 |        |        |        |        |        |        |
| <i>Polyporus alveolaris</i>       |        |        |        |        |        |        | PA2005 |

| Foray                              | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected           | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Polyporus arcularius</i>        |        |        |        |        |        | WV1977 |        |
| <i>Polyporus badius</i>            |        |        | NY1991 | OH1979 |        |        |        |
| <i>Polyporus brumalis</i>          |        |        | NY1991 |        |        |        |        |
| <i>Polyporus caesius</i>           | NC1974 | NC1980 |        |        |        |        |        |
| <i>Polyporus craterellus</i>       |        |        |        |        |        |        | PA2005 |
| <i>Polyporus cristatus</i>         | NC1974 | NC1980 |        |        |        |        |        |
| <i>Polyporus dealbatus</i>         | NC1974 |        |        |        |        |        |        |
| <i>Polyporus dryadeus</i>          |        | NC1980 |        |        |        |        |        |
| <i>Polyporus elegans</i>           | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Polyporus fagicola</i>          |        |        | NY1991 |        |        |        |        |
| <i>Polyporus fragilis</i>          |        | NC1980 |        |        |        |        |        |
| <i>Polyporus fumosus</i>           | NC1974 |        |        |        |        |        |        |
| <i>Polyporus gigantea</i>          |        | NC1980 |        |        |        |        |        |
| <i>Polyporus glomeratus</i>        |        | NC1980 |        |        |        |        |        |
| <i>Polyporus hirsutus</i>          |        | NC1980 |        |        |        |        |        |
| <i>Polyporus immitis</i>           |        | NC1980 |        |        |        |        |        |
| <i>Polyporus melanopus</i>         |        |        |        | OH1979 |        |        |        |
| <i>Polyporus montagnei</i>         | NC1974 | NC1980 |        |        |        | WV1977 |        |
| <i>Polyporus mori</i>              |        |        | NY1991 |        |        |        |        |
| <i>Polyporus nidulans</i>          | NC1974 |        |        |        |        |        |        |
| <i>Polyporus pargameus</i>         |        | NC1980 |        |        |        |        |        |
| <i>Polyporus pescaprae</i>         |        | NC1980 |        |        |        |        |        |
| <i>Polyporus picipes</i>           |        | NC1980 |        |        |        | WV1977 |        |
| <i>Polyporus radicans</i>          |        |        | NY1991 |        |        |        |        |
| <i>Polyporus spraguei</i>          | NC1974 |        |        |        |        |        |        |
| <i>Polyporus squamosus</i>         |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Polyporus sulphureus</i>        | NC1974 | NC1980 |        |        |        |        |        |
| <i>Polyporus varius</i>            |        |        | NY1991 |        |        |        |        |
| <i>Polyporus velutinus</i>         | NC1974 |        |        |        |        |        |        |
| <i>Poria medulla-panis</i>         |        | NC1980 |        |        |        |        |        |
| <i>Poria radiculosa</i>            |        |        |        |        | PA1982 |        |        |
| <i>Poria species</i>               |        | NC1980 |        |        |        |        |        |
| <i>Poria subacida</i>              | NC1974 |        |        |        |        |        |        |
| <i>Poronidulus conchifer</i>       |        |        |        | OH1979 |        |        |        |
| <i>Porotheleum fimbriatum</i>      |        | NC1980 |        |        |        |        |        |
| <i>Porotheleum species</i>         | NC1974 |        |        |        |        |        |        |
| <i>Porphyrellus pseudoscaber</i>   |        |        | NY1991 |        |        |        |        |
| <i>Porphyrellus porphyrosporus</i> |        |        |        |        |        |        | PA2005 |
| <i>Pouzarella flavoviride</i>      |        |        |        |        |        | WV1977 |        |
| <i>Pouzarella nodospora</i>        | NC1974 | NC1980 |        | OH1979 |        | WV1977 |        |
| <i>Pronectria anisospora</i>       |        |        | NY1991 |        |        |        |        |

| Foray                              | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected           | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Propolis versicolor</i>         | NC1974 | NC1980 |        |        |        |        |        |
| <i>Psathyrella candolleana</i>     |        |        | NY1991 |        |        |        | PA2005 |
| <i>Psathyrella confertissima</i>   | NC1974 |        |        |        |        |        |        |
| <i>Psathyrella conissans</i>       | NC1974 |        | NY1991 |        |        |        |        |
| <i>Psathyrella delineata</i>       | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Psathyrella hirtosquamulosa</i> | NC1974 |        |        |        |        |        |        |
| <i>Psathyrella hydrophila</i>      | NC1974 |        |        |        |        |        |        |
| <i>Psathyrella rugocephala</i>     |        |        |        | OH1979 | PA1982 |        |        |
| <i>Psathyrella septentrionalis</i> |        |        | NY1991 |        |        |        |        |
| <i>Psathyrella spadicea</i>        |        |        |        | OH1979 |        |        |        |
| <i>Psathyrella velutina</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Psathyrella velutipes</i>       | NC1974 |        |        |        |        |        |        |
| <i>Pseudocolus schellenbergii</i>  |        |        |        | OH1979 |        |        | PA2005 |
| <i>Pseudocoprinus disseminatus</i> | NC1974 |        |        | OH1979 |        |        |        |
| <i>Pseudofistulina radicata</i>    |        | NC1980 |        |        |        |        |        |
| <i>Pseudohydnum gelatinosum</i>    | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Pseudomerulius aureus</i>       |        |        |        |        | PA1982 |        |        |
| <i>Psilocybe atrobrunnea</i>       |        |        | NY1991 |        |        |        |        |
| <i>Psilocybe caerulipes</i>        |        |        | NY1991 |        |        |        |        |
| <i>Psilocybe coprophila</i>        | NC1974 |        |        |        |        | WV1977 | PA2005 |
| <i>Psilocybe merdaria</i>          | NC1974 |        |        |        |        |        |        |
| <i>Psilocybe sylvatica</i>         |        |        |        |        | PA1982 |        |        |
| <i>Puccinastrum hydrangeae</i>     |        | NC1980 |        |        |        |        |        |
| <i>Pulcherricium caeruleum</i>     | NC1974 | NC1980 |        |        |        |        |        |
| <i>Pulveroboletus lignicola</i>    |        |        | NY1991 |        |        |        |        |
| <i>Pulveroboletus ravenelii</i>    |        |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Pulveroboletus retipes</i>      |        |        |        |        |        | WV1977 |        |
| <i>Punctelia rudecta</i>           |        |        |        |        |        |        | PA2005 |
| <i>Punctelia subrudecta</i>        |        |        |        |        |        |        | PA2005 |
| <i>Pycnoporellus fulgens</i>       |        |        | NY1991 |        |        |        |        |
| <i>Pycnoporus cinnabarinus</i>     | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Pycnoporus sanguineus</i>       |        |        |        |        |        |        | PA2005 |
| <i>Ramaria apiculata</i>           |        |        |        |        |        | WV1977 |        |
| <i>Ramaria aurea</i>               | NC1974 |        |        |        |        |        |        |
| <i>Ramaria brunnea</i>             |        |        |        |        | PA1982 |        |        |
| <i>Ramaria conjunctipes</i>        |        | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Ramaria crassipes</i>           |        |        |        |        | PA1982 |        |        |
| <i>Ramaria cystidiophora</i>       |        | NC1980 |        |        |        |        |        |
| <i>Ramaria fennica</i>             | NC1974 |        |        |        |        | WV1977 |        |
| <i>Ramaria formosa</i>             |        | NC1980 |        |        |        |        |        |
| <i>Ramaria fumigata</i>            |        | NC1980 |        |        |        |        |        |

| Foray                           | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected        | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Ramaria grandis</i>          | NC1974 |        |        |        |        |        |        |
| <i>Ramaria pancaribbea</i>      |        | NC1980 |        |        |        |        |        |
| <i>Ramaria roseogelatinosus</i> |        | NC1980 |        |        |        |        |        |
| <i>Ramaria rubella</i>          |        | NC1980 |        |        |        |        |        |
| <i>Ramaria spinulosa</i>        |        | NC1980 |        |        |        |        |        |
| <i>Ramaria stricta</i>          | NC1974 |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Ramaria subbotrytis</i>      | NC1974 |        |        |        |        |        |        |
| <i>Ramaria verna</i>            |        | NC1980 |        |        | PA1982 |        |        |
| <i>Ramaria xanthosperma</i>     |        | NC1980 |        |        |        |        |        |
| <i>Ramariopsis fusiformis</i>   |        |        |        |        | PA1982 |        |        |
| <i>Ramariopsis kunzei</i>       | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Ramariopsis laeticolor</i>   |        | NC1980 |        |        |        |        |        |
| <i>Resupinatus applicatus</i>   |        |        |        | OH1979 |        |        | PA2005 |
| <i>Rhizina undulata</i>         |        |        |        |        |        |        | PA2005 |
| <i>Rhizopogon nigrescens</i>    | NC1974 |        |        |        |        |        |        |
| <i>Rhizopogon rubescens</i>     |        | NC1980 |        |        |        |        |        |
| <i>Rhodocybe mundula</i>        | NC1974 |        |        | OH1979 |        | WV1977 |        |
| <i>Rhodophyllus albogriseus</i> |        |        |        |        |        | WV1977 |        |
| <i>Rickenella fibula</i>        |        |        | NY1991 |        |        |        | PA2005 |
| <i>Rozites caperata</i>         | NC1974 |        | NY1991 | OH1979 |        |        |        |
| <i>Rozites caperata</i>         |        |        |        |        | PA1982 |        |        |
| <i>Russula adusta</i>           |        |        | NY1991 |        |        |        |        |
| <i>Russula aeruginea</i>        |        | NC1980 |        |        | PA1982 | WV1977 |        |
| <i>Russula albidula</i>         | NC1974 |        |        |        |        |        | PA2005 |
| <i>Russula amoenolens</i>       | NC1974 |        |        |        | PA1982 |        |        |
| <i>Russula aquosa</i>           |        |        | NY1991 |        |        |        |        |
| <i>Russula atropurpurea</i>     |        |        |        | OH1979 |        |        |        |
| <i>Russula aurantioleuca</i>    |        |        |        |        |        | WV1977 |        |
| <i>Russula aurata</i>           |        |        |        |        | PA1982 |        |        |
| <i>Russula badia</i>            |        |        | NY1991 |        |        |        |        |
| <i>Russula ballouii</i>         |        |        |        | OH1979 |        |        |        |
| <i>Russula betularum</i>        |        |        | NY1991 |        |        |        |        |
| <i>Russula blackfordae</i>      |        |        | NY1991 |        |        |        |        |
| <i>Russula brevipes</i>         | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Russula brunneola</i>        |        |        | NY1991 |        |        |        |        |
| <i>Russula claroflava</i>       |        |        | NY1991 |        | PA1982 |        |        |
| <i>Russula compacta</i>         | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Russula crustosa</i>         | NC1974 |        | NY1991 |        |        |        |        |
| <i>Russula crustosa</i>         |        |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Russula cyanoxantha</i>      | NC1974 | NC1980 | NY1991 |        | PA1982 |        |        |
| <i>Russula decolorans</i>       |        |        | NY1991 |        | PA1982 |        |        |

| Foray                         | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected      | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Russula delica</i>         |        | NC1980 |        |        |        |        |        |
| <i>Russula densifolia</i>     | NC1974 |        |        |        |        | WV1977 |        |
| <i>Russula dissimulans</i>    |        |        |        |        |        | WV1977 |        |
| <i>Russula dissimulans</i>    |        |        | NY1991 |        |        |        |        |
| <i>Russula earlii</i>         |        |        |        |        | PA1982 |        | PA2005 |
| <i>Russula emetica</i>        | NC1974 | NC1980 | NY1991 |        |        | WV1977 |        |
| <i>Russula flaviceps</i>      |        |        | NY1991 |        |        |        |        |
| <i>Russula flavida</i>        | NC1974 | NC1980 |        |        |        |        | PA2005 |
| <i>Russula flavissicans</i>   |        |        |        |        |        |        | PA2005 |
| <i>Russula foetens</i>        |        |        |        |        |        | WV1977 |        |
| <i>Russula foetentula</i>     | NC1974 |        |        |        |        |        |        |
| <i>Russula fragilis</i>       |        |        | NY1991 |        |        |        |        |
| <i>Russula fragrantissima</i> |        |        | NY1991 |        |        |        |        |
| <i>Russula granulata</i>      |        |        | NY1991 |        | PA1982 |        | PA2005 |
| <i>Russula grisea</i>         |        |        |        |        | PA1982 |        |        |
| <i>Russula integra</i>        |        |        | NY1991 |        |        |        |        |
| <i>Russula krombholzii</i>    |        |        |        |        | PA1982 |        |        |
| <i>Russula laurocerasi</i>    | NC1974 |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Russula lepida</i>         |        |        |        |        | PA1982 |        |        |
| <i>Russula lundellii</i>      |        |        | NY1991 |        |        |        |        |
| <i>Russula lutea</i>          |        |        | NY1991 |        |        |        |        |
| <i>Russula mariae</i>         |        | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Russula modesta</i>        |        |        | NY1991 |        |        |        | PA2005 |
| <i>Russula montana</i>        |        |        | NY1991 |        |        |        |        |
| <i>Russula mutabilis</i>      |        |        |        |        |        |        | PA2005 |
| <i>Russula nigricans</i>      |        | NC1980 |        |        |        |        |        |
| <i>Russula obscura</i>        |        |        |        |        | PA1982 |        |        |
| <i>Russula ochroleucoides</i> |        |        |        |        | PA1982 | WV1977 |        |
| <i>Russula paludosa</i>       |        |        | NY1991 |        | PA1982 | WV1977 |        |
| <i>Russula parazurea</i>      |        |        |        |        | PA1982 |        |        |
| <i>Russula peckii</i>         |        |        | NY1991 |        | PA1982 |        |        |
| <i>Russula pectinata</i>      |        |        |        |        |        | WV1977 |        |
| <i>Russula pectinatoides</i>  |        |        |        | OH1979 |        |        | PA2005 |
| <i>Russula polycystis</i>     |        |        | NY1991 |        |        |        |        |
| <i>Russula polyphylla</i>     |        |        |        |        |        |        | PA2005 |
| <i>Russula pseudolepida</i>   |        |        |        |        |        |        | PA2005 |
| <i>Russula rubescens</i>      |        |        |        |        |        | WV1977 |        |
| <i>Russula rugulosa</i>       |        |        | NY1991 |        |        |        | PA2005 |
| <i>Russula seperina</i>       |        |        | NY1991 |        |        |        |        |
| <i>Russula silvicola</i>      |        |        |        |        | PA1982 |        |        |
| <i>Russula simulans</i>       |        |        | NY1991 |        |        |        |        |

| Foray                             | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected          | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Russula sphagnophila</i>       |        |        | NY1991 |        |        |        |        |
| <i>Russula subfoetens</i>         |        |        |        | OH1979 | PA1982 |        | PA2005 |
| <i>Russula subgraminicolor</i>    |        |        |        |        |        |        | PA2005 |
| <i>Russula subtilis</i>           |        |        |        |        |        |        | PA2005 |
| <i>Russula variata</i>            | NC1974 |        |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Russula ventricosipes</i>      |        |        |        | OH1979 |        |        |        |
| <i>Russula veteriosa</i>          |        |        | NY1991 |        | PA1982 |        |        |
| <i>Russula vinacea</i>            |        |        | NY1991 |        |        |        | PA2005 |
| <i>Russula vinosa</i>             |        | NC1980 | NY1991 |        |        |        |        |
| <i>Russula virescens</i>          | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Russula xerampelina</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        |        |
| <i>Rutstroemia conformata</i>     | NC1974 |        |        |        |        |        |        |
| <i>Rutstroemia longipes</i>       | NC1974 |        |        |        |        |        |        |
| <i>Rutstroemia macrospora</i>     |        |        |        |        |        | WV1977 |        |
| <i>Rutstroemia petiolorum</i>     | NC1974 |        |        |        |        |        |        |
| <i>Rutstroemia sydowiana</i>      | NC1974 |        |        |        |        |        |        |
| <i>Sarcocypha occidentalis</i>    |        | NC1980 |        | OH1979 | PA1982 | WV1977 |        |
| <i>Sarcodon imbricatum</i>        |        |        |        |        | PA1982 |        |        |
| <i>Sarcodon scabrosum</i>         |        |        |        |        |        | WV1977 |        |
| <i>Sarcodonita crocea</i>         |        |        |        |        | PA1982 |        |        |
| <i>Schizophyllum commune</i>      | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Schizopora paradoxa</i>        |        |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Sclectonectria cucurbitula</i> |        | NC1980 |        |        |        |        |        |
| <i>Scleroderma arenicola</i>      | NC1974 |        |        |        | PA1982 |        |        |
| <i>Scleroderma areolatum</i>      | NC1974 | NC1980 | NY1991 |        |        |        |        |
| <i>Scleroderma aurantium</i>      | NC1974 |        |        |        |        |        |        |
| <i>Scleroderma cepa</i>           |        |        |        |        |        |        | PA2005 |
| <i>Scleroderma citrinum</i>       |        | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Scleroderma flavidum</i>       |        |        |        |        | PA1982 |        | PA2005 |
| <i>Scleroderma geaster</i>        | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Scleroderma polyrhizon</i>     |        |        | NY1991 |        | PA1982 |        |        |
| <i>Scleroderma verrucosum</i>     |        |        |        | OH1979 |        |        |        |
| <i>Scutellinia scutulata</i>      | NC1974 |        | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Sebacina incrustans</i>        | NC1974 |        |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Sebacina podlachica</i>        |        |        |        |        | PA1982 |        |        |
| <i>Sepedonium chrysospermum</i>   |        |        |        | OH1979 |        |        | PA2005 |
| <i>Sepedonium</i> sp.             |        |        |        |        |        |        | PA2005 |
| <i>Septoria passerini</i>         |        |        |        | OH1979 |        |        |        |
| <i>Septoria tartaricola</i>       |        |        |        | OH1979 |        |        |        |
| <i>Simocybe centuncula</i>        |        |        |        |        | PA1982 |        |        |
| <i>Spadicoides clavariae</i>      |        |        |        |        |        |        | PA2005 |

| Foray                            | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected         | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Sparasis crispa</i>           | NC1974 | NC1980 |        |        | PA1982 | WV1977 | PA2005 |
| <i>Sparassis herbstii</i>        |        |        |        |        | PA1982 |        |        |
| <i>Sparassis spathulata</i>      |        |        |        |        |        |        | PA2005 |
| <i>Spathularia flavida</i>       |        |        |        |        | PA1982 | WV1977 |        |
| <i>Spathularia velutipes</i>     |        |        | NY1991 |        |        |        |        |
| <i>Sphaerobolus stellatus</i>    | NC1974 |        |        |        |        |        |        |
| <i>Spongipellis pachyodon</i>    |        |        |        |        |        |        | PA2005 |
| <i>Steccherinum adustum</i>      | NC1974 | NC1980 |        |        |        |        |        |
| <i>Steccherinum fimbriatum</i>   |        |        |        | OH1979 |        |        |        |
| <i>Steccherinum ochraceum</i>    |        | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Steccherinum rhois</i>        |        | NC1980 |        |        |        |        |        |
| <i>Steccherinum species</i>      | NC1974 |        |        |        |        |        |        |
| <i>Stephanoma strigosum</i>      |        |        |        |        |        |        | PA2005 |
| <i>Stereum bicolor</i>           |        |        |        |        | PA1982 |        |        |
| <i>Stereum complicatum</i>       | NC1974 |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Stereum frustulatum</i>       | NC1974 | NC1980 |        |        |        |        |        |
| <i>Stereum gausapatum</i>        | NC1974 |        |        |        |        |        |        |
| <i>Stereum hirsutum</i>          |        | NC1980 |        | OH1979 | PA1982 |        |        |
| <i>Stereum murrainii</i>         |        | NC1980 |        |        |        |        |        |
| <i>Stereum ostrea</i>            | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Stereum sanguinolentum</i>    |        |        |        | OH1979 | PA1982 |        |        |
| <i>Stereum striatum</i>          |        | NC1980 |        | OH1979 | PA1982 | WV1977 |        |
| <i>Stilbella</i> sp.             |        |        |        |        |        |        | PA2005 |
| <i>Strobiliomyces confusus</i>   |        | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Strobiliomyces floccopus</i>  | NC1974 | NC1980 |        | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Strobilurus conigenoides</i>  |        |        |        | OH1979 |        |        |        |
| <i>Stropharia hardii</i>         | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Stropharia hornemannii</i>    | NC1974 |        |        |        |        |        |        |
| <i>Stropharia rugosoannulata</i> |        |        | NY1991 | OH1979 |        |        |        |
| <i>Stropharia squamosa</i>       |        | NC1980 |        |        |        |        |        |
| <i>Stropharia thrausta</i>       | NC1974 |        |        | OH1979 |        |        |        |
| <i>Suillus americanus</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Suillus castanellus</i>       | NC1974 |        |        |        |        | WV1977 | PA2005 |
| <i>Suillus cavipes</i>           |        |        | NY1991 |        |        |        |        |
| <i>Suillus cothurnatus</i>       | NC1974 | NC1980 |        |        |        |        |        |
| <i>Suillus granulatus</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Suillus grevillei</i>         |        |        | NY1991 | OH1979 |        |        |        |
| <i>Suillus hirtellus</i>         | NC1974 | NC1980 |        |        |        |        |        |
| <i>Suillus intermedius</i>       |        |        | NY1991 |        | PA1982 |        |        |
| <i>Suillus luteus</i>            |        |        |        | OH1979 |        |        |        |
| <i>Suillus pictus</i>            | NC1974 | NC1980 |        |        | PA1982 | WV1977 | PA2005 |

| Foray                               | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected            | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Suillus placidus</i>             |        |        | NY1991 |        |        |        | PA2005 |
| <i>Suillus punctipes</i>            |        |        | NY1991 |        |        |        |        |
| <i>Suillus spraguei</i>             |        |        | NY1991 |        |        |        |        |
| <i>Suillus subalutaceus</i>         |        | NC1980 |        |        |        |        |        |
| <i>Suillus subaureus</i>            |        |        |        |        | PA1982 |        |        |
| <i>Syzygospora mycetophila</i>      |        |        | NY1991 |        |        |        |        |
| <i>Tapesia fusca</i>                |        |        |        |        |        | WV1977 |        |
| <i>Taphrina amentorum</i>           |        |        | NY1991 |        |        |        |        |
| <i>Tephrocybe palustris</i>         |        |        |        |        | PA1982 |        |        |
| <i>Thelephora albidobrunnea</i>     |        | NC1980 |        |        |        |        |        |
| <i>Thelephora americana</i>         |        |        |        |        | PA1982 |        |        |
| <i>Thelephora anthocephala</i>      |        |        |        |        | PA1982 |        |        |
| <i>Thelephora caryophyllea</i>      |        |        |        |        | PA1982 | WV1977 |        |
| <i>Thelephora palmata</i>           |        |        |        | OH1979 | PA1982 |        | PA2005 |
| <i>Thelephora species</i>           | NC1974 |        |        |        |        |        |        |
| <i>Thelephora terrestris</i>        | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Thelephora vialis</i>            | NC1974 |        |        |        | PA1982 | WV1977 | PA2005 |
| <i>Trametes elegans</i>             |        |        |        |        |        |        | PA2005 |
| <i>Trametes hirsuta</i>             |        |        | NY1991 |        |        |        |        |
| <i>Trametes pubescens</i>           |        |        |        |        |        |        | PA2005 |
| <i>Trametes versicolor</i>          |        | NC1980 | NY1991 |        |        |        | PA2005 |
| <i>Tremella encephala</i>           |        |        | NY1991 |        |        |        |        |
| <i>Tremella foliacea</i>            | NC1974 | NC1980 |        |        | PA1982 |        | PA2005 |
| <i>Tremella mesenterica</i>         |        | NC1980 | NY1991 |        |        |        |        |
| <i>Tremella reticulata</i>          |        |        | NY1991 | OH1979 | PA1982 |        |        |
| <i>Tremellodendron pallidum</i>     |        |        | NY1991 | OH1979 |        | WV1977 | PA2005 |
| <i>Tremellodendron schweinitzii</i> |        |        |        |        | PA1982 |        |        |
| <i>Trichaptum abietina</i>          |        |        | NY1991 |        | PA1982 |        |        |
| <i>Trichaptum abietinum</i>         |        |        |        |        |        |        | PA2005 |
| <i>Trichaptum bifforme</i>          |        |        | NY1991 | OH1979 | PA1982 |        | PA2005 |
| <i>Trichia favoginea</i>            |        |        |        |        |        |        | PA2005 |
| <i>Trichoglossum farlowii</i>       | NC1974 |        |        | OH1979 | PA1982 |        |        |
| <i>Trichoglossum hirsutum</i>       |        |        |        |        | PA1982 | WV1977 |        |
| <i>Trichoglossum tetrasporum</i>    | NC1974 |        |        |        |        |        |        |
| <i>Tricholoma aurantium</i>         |        | NC1980 |        |        |        |        |        |
| <i>Tricholoma boreale</i>           | NC1974 |        |        |        |        |        |        |
| <i>Tricholoma flavovirens</i>       | NC1974 | NC1980 |        | OH1979 |        |        |        |
| <i>Tricholoma inamoenum</i>         | NC1974 | NC1980 |        |        |        |        |        |
| <i>Tricholoma microsporum</i>       | NC1974 |        |        |        |        |        |        |
| <i>Tricholoma odora</i>             |        |        |        | OH1979 | PA1982 |        |        |
| <i>Tricholoma palustre</i>          |        |        |        | OH1979 |        |        |        |

| Foray                               | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of taxa collected            | 471    | 381    | 432    | 328    | 458    | 311    | 320    |
| <i>Tricholoma piperatum</i>         | NC1974 |        |        |        |        |        |        |
| <i>Tricholoma resplendens</i>       | NC1974 |        |        | OH1979 |        |        |        |
| <i>Tricholoma saponaceum</i>        | NC1974 | NC1980 | NY1991 |        |        |        |        |
| <i>Tricholoma sejunctum</i>         |        | NC1980 |        | OH1979 |        |        |        |
| <i>Tricholoma sulphureum</i>        | NC1974 | NC1980 |        |        | PA1982 |        |        |
| <i>Tricholoma ustale</i>            | NC1974 |        |        |        |        |        |        |
| <i>Tricholomopsis decora</i>        | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Tricholomopsis flammans</i>      |        |        | NY1991 |        |        |        |        |
| <i>Tricholomopsis formosa</i>       |        |        |        |        |        |        | PA2005 |
| <i>Tricholomopsis platyphylla</i>   | NC1974 | NC1980 | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Tricholomopsis rutilans</i>      |        |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Tricholomopsis</i> sp.           | NC1974 |        |        |        |        |        |        |
| <i>Tricholomopsis sulphureoides</i> | NC1974 |        | NY1991 |        |        |        |        |
| <i>Tubaria confragosa</i>           |        |        | NY1991 |        |        |        |        |
| <i>Tuber sphaerosporum</i>          |        |        |        |        | PA1982 |        |        |
| <i>Tuber texense</i>                |        |        |        | OH1979 |        |        |        |
| <i>Tubifera ferruginosa</i>         |        |        |        |        |        |        | PA2005 |
| <i>Tylopilus alboater</i>           |        |        |        |        |        | WV1977 | PA2005 |
| <i>Tylopilus atronicotianus</i>     |        |        |        |        |        |        | PA2005 |
| <i>Tylopilus badiceps</i>           |        |        |        |        | PA1982 |        |        |
| <i>Tylopilus ballouii</i>           | NC1974 |        |        |        |        |        | PA2005 |
| <i>Tylopilus chromapes</i>          |        |        |        |        | PA1982 |        | PA2005 |
| <i>Tylopilus felleus</i>            |        |        | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Tylopilus ferrugineus</i>        |        |        |        |        |        | WV1977 |        |
| <i>Tylopilus fumosipes</i>          |        |        |        |        | PA1982 |        |        |
| <i>Tylopilus gracilis</i>           | NC1974 | NC1980 |        |        |        | WV1977 |        |
| <i>Tylopilus plumbeoviolaceus</i>   | NC1974 | NC1980 |        |        |        | WV1977 |        |
| <i>Tylopilus rubrobrunneus</i>      |        |        |        |        |        | WV1977 | PA2005 |
| <i>Tylopilus sordidus</i>           |        |        |        |        |        | WV1977 |        |
| <i>Tylopilus</i> sp.                |        |        |        |        |        |        | PA2005 |
| <i>Tylopilus violatinctus</i>       |        |        |        |        |        |        | PA2005 |
| <i>Tyromyces albellus</i>           |        |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Tyromyces borealis</i>           |        |        |        |        | PA1982 |        |        |
| <i>Tyromyces caesius</i>            |        |        |        | OH1979 |        |        |        |
| <i>Tyromyces chioneus</i>           |        |        | NY1991 |        |        |        | PA2005 |
| <i>Tyromyces spraguei</i>           |        |        |        | OH1979 | PA1982 | WV1977 |        |
| <i>Umbilicaria mammulata</i>        |        |        |        |        |        |        | PA2005 |
| <i>Unguicularia digitalincola</i>   |        |        |        |        |        | WV1977 |        |
| <i>Urceolella crispula</i>          |        |        |        |        |        | WV1977 |        |
| <i>Vararia investiens</i>           |        |        |        | OH1979 |        |        | PA2005 |
| <i>Vascellum curtisii</i>           |        |        |        | OH1979 |        |        |        |

| Foray                            | NC1974 | NC1980 | NY1991 | OH1974 | PA1982 | WV1977 | PA2005 |
|----------------------------------|--------|--------|--------|--------|--------|--------|--------|
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| <i>Verticillium</i> sp.          |        |        |        |        |        |        | PA2005 |
| <i>Volvariella bombycina</i>     |        |        | NY1991 |        |        |        |        |
| <i>Volvariella hypopithys</i>    |        |        | NY1991 |        | PA1982 |        |        |
| <i>Wynnea americana</i>          | NC1974 |        |        |        |        |        |        |
| <i>Wynnea americana</i>          |        |        |        | OH1979 |        | WV1977 |        |
| <i>Xanthoconium affine</i>       |        |        | NY1991 |        |        |        |        |
| <i>Xerocomus badius</i>          |        |        | NY1991 |        |        |        |        |
| <i>Xerocomus chrysenteron</i>    |        |        | NY1991 |        |        |        |        |
| <i>Xerocomus parasiticus</i>     |        |        | NY1991 |        |        |        | PA2005 |
| <i>Xerocomus roxanae</i>         |        |        |        |        |        |        | PA2005 |
| <i>Xerocomus spadiceus</i>       |        |        | NY1991 |        |        |        |        |
| <i>Xerocomus subtomentosus</i>   |        |        | NY1991 |        |        |        |        |
| <i>Xeromphalina campanella</i>   | NC1974 | NC1980 | NY1991 |        | PA1982 | WV1977 | PA2005 |
| <i>Xeromphalina caudicinalis</i> |        |        | NY1991 |        |        |        |        |
| <i>Xeromphalina kauffmanii</i>   | NC1974 | NC1980 |        |        | PA1982 |        | PA2005 |
| <i>Xerula chrysopepla</i>        | NC1974 |        |        | OH1979 |        |        |        |
| <i>Xerula furfuracea</i>         |        |        | NY1991 |        |        |        | PA2005 |
| <i>Xerula rubrobrunnescens</i>   |        |        | NY1991 |        |        |        |        |
| <i>Xerulina chrysopepla</i>      |        |        |        |        |        | WV1977 |        |
| <i>Xylaria cornu-damae</i>       |        | NC1980 |        |        |        |        |        |
| <i>Xylaria hypoxylon</i>         |        |        | NY1991 | OH1979 | PA1982 | WV1977 |        |
| <i>Xylaria longipes</i>          |        |        | NY1991 |        |        |        |        |
| <i>Xylaria polymorpha</i>        | NC1974 |        | NY1991 | OH1979 | PA1982 | WV1977 | PA2005 |
| <i>Xylobolus frustulatus</i>     |        |        |        | OH1979 |        | WV1977 | PA2005 |

## Appendix B. Voucher specimens collected.

| Park | Fungus                          | NPS catalog number |
|------|---------------------------------|--------------------|
| ANTI | <i>Amanita flavorubescens</i>   | 11896              |
| ANTI | <i>Amanita volvata</i>          | 11897              |
| ANTI | <i>Armillaria mellea</i>        | 11901              |
| ANTI | <i>Auricularia auricula</i>     | 11864              |
| ANTI | <i>Austroboletus gracilis</i>   | 11890              |
| ANTI | <i>Bolbitius vitellinus</i>     | 11905              |
| ANTI | <i>Boletus fraternus</i>        | 11891              |
| ANTI | <i>Boletus pulverulentus</i>    | 11892              |
| ANTI | <i>Calvatia craniiformis</i>    | 11876              |
| ANTI | <i>Calvatia gigantea</i>        | 11883              |
| ANTI | <i>Cerrena unicolor</i>         | 11875              |
| ANTI | <i>Clitocybe irina</i>          | 11904              |
| ANTI | <i>Crepidotus mollis</i>        | 11898              |
| ANTI | <i>Daldinia concentrica</i>     | 11865              |
| ANTI | <i>Exidia alba</i>              | 11886              |
| ANTI | <i>Ganoderma applanatum</i>     | 11880              |
| ANTI | <i>Gloeoporus dichrous</i>      | 11878              |
| ANTI | <i>Hericium coralloides</i>     | 11885              |
| ANTI | <i>Hygrophorus conicus</i>      | 11893              |
| ANTI | <i>Hygrophorus occidentalis</i> | 11903              |
| ANTI | <i>Lentinellus ursinus</i>      | 11899              |
| ANTI | <i>Lycoperdon pusillum</i>      | 11884              |
| ANTI | <i>Marasmius graminum</i>       | 11889              |
| ANTI | <i>Marasmius olidus</i>         | 11895              |
| ANTI | <i>Marasmius rotula</i>         | 11861              |
| ANTI | <i>Marasmius siccus</i>         | 11888              |
| ANTI | <i>Mycena leaiana</i>           | 11866              |
| ANTI | <i>Mycena luteopallens</i>      | 11887              |
| ANTI | <i>Phellinus rimosus</i>        | 11879              |
| ANTI | <i>Pleurotus ostreatus</i>      | 11900              |
| ANTI | <i>Polyporus badius</i>         | 11871              |
| ANTI | <i>Polyporus elegans</i>        | 11869              |
| ANTI | <i>Polyporus elegans</i>        | 11874              |
| ANTI | <i>Polyporus mori</i>           | 11870              |
| ANTI | <i>Polyporus squamosus</i>      | 11877              |
| ANTI | <i>Rhodotus palmatus</i>        | 11881              |
| ANTI | <i>Russula maculata group</i>   | 11894              |
| ANTI | <i>Schizophyllum commune</i>    | 11862              |
| ANTI | <i>Schizophyllum commune</i>    | 11872              |
| ANTI | <i>Scleroderma areolatum</i>    | 11868              |
| ANTI | <i>Stereum ostrea</i>           | 11863              |
| ANTI | <i>Stereum ostrea</i>           | 11873              |
| ANTI | <i>Trametes elegans</i>         | 11882              |
| ANTI | <i>Tremella mesenterica</i>     | 11867              |
| ANTI | <i>Xylaria polymorpha</i>       | 11902              |

| Park | Fungus                             | NPS catalog number |
|------|------------------------------------|--------------------|
| CATO | <i>Agaricus silvicola</i>          | 2366               |
| CATO | <i>Armillaria gallica</i>          | 2377               |
| CATO | <i>Auricularia auricula</i>        | 2379               |
| CATO | <i>Bisporella citrina</i>          | 2316               |
| CATO | <i>Boletellus chrysenteroides</i>  | 2343               |
| CATO | <i>Boletus chrysenteron</i>        | 2344               |
| CATO | <i>Bondarzewia berkeleyi</i>       | 2295               |
| CATO | <i>Chlorociboria aeruginascens</i> | 2290               |
| CATO | <i>Chlorociboria aeruginascens</i> | 2298               |
| CATO | <i>Clitocybe gibba</i>             | 2362               |
| CATO | <i>Coprinus atramentarius</i>      | 2301               |
| CATO | <i>Coprinus micaceus</i>           | 2318               |
| CATO | <i>Cordyceps militaris</i>         | 2309               |
| CATO | <i>Cortinarius sp.</i>             | 2378               |
| CATO | <i>Crepidotus mollis</i>           | 2364               |
| CATO | <i>Crucibulum laeve</i>            | 2294               |
| CATO | <i>Crucibulum laeve</i>            | 2299               |
| CATO | <i>Daedaleopsis confragosa</i>     | 2273               |
| CATO | <i>Daedaleopsis confragosa</i>     | 2275               |
| CATO | <i>Daedaleopsis confragosa</i>     | 2287               |
| CATO | <i>Daldinia concentrica</i>        | 2300               |
| CATO | <i>Entoloma abortivum</i>          | 2368               |
| CATO | <i>Galerina autumnalis</i>         | 2320               |
| CATO | <i>Galiella rufa</i>               | 2325               |
| CATO | <i>Ganoderma applanatum</i>        | 2296               |
| CATO | <i>Gymnopus dryophilus</i>         | 2348               |
| CATO | <i>Hypholoma sublateritium</i>     | 2321               |
| CATO | <i>Hypoxylon multiforme</i>        | 2353               |
| CATO | <i>Ischnoderma resinosum</i>       | 2328               |
| CATO | <i>Lactarius peckii</i>            | 2350               |
| CATO | <i>Lentinellus cochleatus</i>      | 2369               |
| CATO | <i>Lentinellus omphalodes</i>      | 2370               |
| CATO | <i>Lepiota clypeolaria</i>         | 2361               |
| CATO | <i>Lycoperdon perlatum</i>         | 2286               |
| CATO | <i>Lycoperdon perlatum</i>         | 2303               |
| CATO | <i>Lycoperdon pyriforme</i>        | 2304               |
| CATO | <i>Lycoperdon umbrinum</i>         | 2305               |
| CATO | <i>Marasmiellus nigripes</i>       | 2342               |
| CATO | <i>Marasmius capillaris</i>        | 2339               |
| CATO | <i>Marasmius delectans</i>         | 2341               |
| CATO | <i>Marasmius epiphyllus</i>        | 2340               |
| CATO | <i>Marasmius felix</i>             | 2347               |
| CATO | <i>Marasmius pulcherripes</i>      | 2346               |
| CATO | <i>Marasmius pyrocephalus</i>      | 2336               |
| CATO | <i>Marasmius rotula</i>            | 2338               |
| CATO | <i>Marasmius siccus</i>            | 2282               |

| Park | Fungus                             | NPS catalog number |
|------|------------------------------------|--------------------|
| CATO | <i>Marasmius siccus</i>            | 2335               |
| CATO | <i>Marasmius siccus</i>            | 2337               |
| CATO | <i>Megacollybia platyphylla</i>    | 2277               |
| CATO | <i>Micromphale foetidum</i>        | 2279               |
| CATO | <i>Microstoma floccosa</i>         | 2324               |
| CATO | <i>Multiclavula mucida</i>         | 2313               |
| CATO | <i>Mycena leaiana</i>              | 2352               |
| CATO | <i>Mycena luteopallens</i>         | 2334               |
| CATO | <i>Oxyporus populinus</i>          | 2297               |
| CATO | <i>Panellus stipticus</i>          | 2375               |
| CATO | <i>Phaeomarasmius erinaceellus</i> | 2283               |
| CATO | <i>Phellinus laevigatus</i>        | 2289               |
| CATO | <i>Phellinus rimosus</i>           | 2302               |
| CATO | <i>Pholiota aurivella</i>          | 2317               |
| CATO | <i>Pholiota granulosa</i>          | 2373               |
| CATO | <i>Phyllotopsis nidulans</i>       | 2332               |
| CATO | <i>Pleurotus ostreatus</i>         | 2315               |
| CATO | <i>Plicaturopsis crispa</i>        | 2374               |
| CATO | <i>Pluteus atricapillus</i>        | 2349               |
| CATO | <i>Pluteus longistriatus</i>       | 2363               |
| CATO | <i>Polyporus badius</i>            | 2284               |
| CATO | <i>Polyporus badius</i>            | 2293               |
| CATO | <i>Polyporus brumalis</i>          | 2329               |
| CATO | <i>Polyporus elegans</i>           | 2280               |
| CATO | <i>Polyporus varius</i>            | 2271               |
| CATO | <i>Psathyrella delineaata</i>      | 2311               |
| CATO | <i>Psathyrella delineaata</i>      | 2360               |
| CATO | <i>Russula emetica</i>             | 2355               |
| CATO | <i>Russula laurocerasi</i>         | 2358               |
| CATO | <i>Russula mariae</i>              | 2354               |
| CATO | <i>Russula sanguinea</i>           | 2356               |
| CATO | <i>Schizophyllum commune</i>       | 2319               |
| CATO | <i>Schizophyllum commune</i>       | 2357               |
| CATO | <i>Scleroderma areolatum</i>       | 2306               |
| CATO | <i>Stereum hirsutum</i>            | 2272               |
| CATO | <i>Stereum ostrea</i>              | 2278               |
| CATO | <i>Stereum spp.</i>                | 2285               |
| CATO | <i>Strobilomyces floccopus</i>     | 2345               |
| CATO | <i>Strobilomyces floccopus</i>     | 2291               |
| CATO | <i>Stropharia hardii</i>           | 2359               |
| CATO | <i>Tectella patellaris</i>         | 2312               |
| CATO | <i>Tectella patellaris</i>         | 2365               |
| CATO | <i>Thelephora palmata</i>          | 2310               |
| CATO | <i>Trametes elegans</i>            | 2327               |
| CATO | <i>Trametes versicolor</i>         | 2276               |
| CATO | <i>Trametes versicolor</i>         | 2292               |

| Park | Fungus                           | NPS catalog number |
|------|----------------------------------|--------------------|
| CATO | <i>Tremella foliacea</i>         | 2331               |
| CATO | <i>Tremella mesenterica</i>      | 2322               |
| CATO | <i>Trichaptum bifforme</i>       | 2326               |
| CATO | <i>Tricholomopsis rutilans</i>   | 2376               |
| CATO | <i>Tyromyces chioneus</i>        | 2330               |
| CATO | <i>Xeromphalina tenuipes</i>     | 2281               |
| CATO | <i>Xerula furfuracea</i>         | 2351               |
| CATO | <i>Xylaria polymorpha</i>        | 2274               |
| CATO | <i>Xylaria polymorpha</i>        | 2288               |
| CHOH | <i>Agaricus campestris</i>       | 49803              |
| CHOH | <i>Amanita pantherina</i>        | 49794              |
| CHOH | <i>Armillaria mellea</i>         | 49799              |
| CHOH | <i>Auricularia auricula</i>      | 49739              |
| CHOH | <i>Auricularia auricula</i>      | 49751              |
| CHOH | <i>Auricularia auricula</i>      | 49758              |
| CHOH | <i>Bovista pila</i>              | 49770              |
| CHOH | <i>Cantharellus cinnabarinus</i> | 49766              |
| CHOH | <i>Cerrena unicolor</i>          | 49777              |
| CHOH | <i>Clavicornia pyxidata</i>      | 49745              |
| CHOH | <i>Clavicornia pyxidata</i>      | 49752              |
| CHOH | <i>Coprinus micaceus</i>         | 49789              |
| CHOH | <i>Cortinarius camphoratus</i>   | 49796              |
| CHOH | <i>Crepidotus applanatus</i>     | 49801              |
| CHOH | <i>Crepidotus mollis</i>         | 49791              |
| CHOH | <i>Cyathus striatus</i>          | 49767              |
| CHOH | <i>Exidia alba</i>               | 49772              |
| CHOH | <i>Galerina autumnalis</i>       | 49804              |
| CHOH | <i>Ganoderma applanatum</i>      | 49774              |
| CHOH | <i>Hygrophorus cantharellus</i>  | 49785              |
| CHOH | <i>Hypoxylon fragiforme</i>      | 49769              |
| CHOH | <i>Lentinellus ursinus</i>       | 49779              |
| CHOH | <i>Lenzites betulina</i>         | 49790              |
| CHOH | <i>Lepiota cepaestipes</i>       | 49793              |
| CHOH | <i>Leptonia formosa</i>          | 49787              |
| CHOH | <i>Leptonia rosea</i>            | 49795              |
| CHOH | <i>Leptonia serrulata</i>        | 49786              |
| CHOH | <i>Lycoperdon perlatum</i>       | 49768              |
| CHOH | <i>Marasmiellus candidus</i>     | 49747              |
| CHOH | <i>Marasmius capillaris</i>      | 49782              |
| CHOH | <i>Marasmius pyrocephalus</i>    | 49781              |
| CHOH | <i>Megacollybia platyphylla</i>  | 49784              |
| CHOH | <i>Panellus stipticus</i>        | 49788              |
| CHOH | <i>Perenniporia robiniophila</i> | 49780              |
| CHOH | <i>Phallus impudicus</i>         | 49765              |
| CHOH | <i>Phellinus gilvus</i>          | 49775              |
| CHOH | <i>Phlebia tremellosa</i>        | 49802              |

| Park | Fungus                            | NPS catalog number |
|------|-----------------------------------|--------------------|
| CHOH | <i>Pholiota squarrosoides</i>     | 49798              |
| CHOH | <i>Pleurotus ostreatus</i>        | 49792              |
| CHOH | <i>Polyporus badius</i>           | 49778              |
| CHOH | <i>Polyporus elegans</i>          | 49744              |
| CHOH | <i>Polyporus elegans</i>          | 49754              |
| CHOH | <i>Polyporus elegans</i>          | 49763              |
| CHOH | <i>Polyporus squamosus</i>        | 49760              |
| CHOH | <i>Schizophyllum commune</i>      | 49743              |
| CHOH | <i>Schizophyllum commune</i>      | 49753              |
| CHOH | <i>Schizophyllum commune</i>      | 49762              |
| CHOH | <i>Stereum ostrea</i>             | 49742              |
| CHOH | <i>Stereum ostrea</i>             | 49749              |
| CHOH | <i>Stereum sp.</i>                | 49741              |
| CHOH | <i>Stropharia thrausta</i>        | 49797              |
| CHOH | <i>Trametes elegans</i>           | 49740              |
| CHOH | <i>Trametes elegans</i>           | 49746              |
| CHOH | <i>Trametes elegans</i>           | 49755              |
| CHOH | <i>Trametes elegans</i>           | 49757              |
| CHOH | <i>Trametes elegans</i>           | 49764              |
| CHOH | <i>Trametes versicolor</i>        | 49776              |
| CHOH | <i>Tremella mesenterica</i>       | 49773              |
| CHOH | <i>Trichaptum biforme</i>         | 49750              |
| CHOH | <i>Trichaptum biforme</i>         | 49759              |
| CHOH | <i>Trichaptum biforme</i>         | 49761              |
| CHOH | <i>Trichoglossum hirsutum</i>     | 49771              |
| CHOH | <i>Tylopilus ferrugineus</i>      | 49783              |
| CHOH | <i>Tyromyces chioneus</i>         | 49756              |
| PRWI | <i>Abortiporus fractipes</i>      | 13674              |
| PRWI | <i>Agaricus silvaticus</i>        | 13768              |
| PRWI | <i>Alboleptonia sericella</i>     | 13766              |
| PRWI | <i>Amanita caesarea</i>           | 13680              |
| PRWI | <i>Amanita daucipes</i>           | 13667              |
| PRWI | <i>Amanita flavoconia</i>         | 13786              |
| PRWI | <i>Amanita polypyramis</i>        | 13684              |
| PRWI | <i>Amanita polypyramis</i>        | 13685              |
| PRWI | <i>Amanita porphyria</i>          | 13747              |
| PRWI | <i>Amanita ravenelii</i>          | 13775              |
| PRWI | <i>Amanita rubescens</i>          | 13681              |
| PRWI | <i>Amanita rubescens</i>          | 13777              |
| PRWI | <i>Amanita spreta</i>             | 13772              |
| PRWI | <i>Austroboletus betula</i>       | 13742              |
| PRWI | <i>Bolbitius vitellinus</i>       | 13752              |
| PRWI | <i>Boletellus chrysenteroides</i> | 13731              |
| PRWI | <i>Boletinellus merulioides</i>   | 13682              |
| PRWI | <i>Boletus edulis</i>             | 13733              |
| PRWI | <i>Boletus frostii</i>            | 13730              |
| PRWI | <i>Boletus longicurvipes</i>      | 13727              |

| Park | Fungus                                              | NPS catalog<br>number |
|------|-----------------------------------------------------|-----------------------|
| PRWI | <i>Boletus pallidus</i>                             | 13732                 |
| PRWI | <i>Boletus peckii</i>                               | 13737                 |
| PRWI | <i>Boletus pseudosensibilis</i>                     | 13728                 |
| PRWI | <i>Boletus rubropunctus</i>                         | 13729                 |
| PRWI | <i>Boletus subglabripes</i>                         | 13671                 |
| PRWI | <i>Boletus subluridellus</i>                        | 13735                 |
| PRWI | <i>Bondarzewia berkeleyi</i>                        | 13659                 |
| PRWI | <i>Bothia castanella</i>                            | 13672                 |
| PRWI | <i>Cantharellus cinnabarinus</i>                    | 13678                 |
| PRWI | <i>Clavaria vermicularis</i>                        | 13677                 |
| PRWI | <i>Clavicornia pyxidata</i>                         | 13708                 |
| PRWI | <i>Clavulina cinerea</i>                            | 13656                 |
| PRWI | <i>Clavulina cristata</i>                           | 13709                 |
| PRWI | <i>Coltricia cinnamomea</i>                         | 13721                 |
| PRWI | <i>Coprinus micaceus</i>                            | 13769                 |
| PRWI | <i>Cordyceps ophioglossoides</i>                    | 13710                 |
| PRWI | <i>Cortinarius cinnabarinus</i>                     | 13783                 |
| PRWI | <i>Cortinarius corrugatus</i>                       | 13770                 |
| PRWI | <i>Cortinarius iodes</i>                            | 13771                 |
| PRWI | <i>Cortinarius semisanguineus</i>                   | 13781                 |
| PRWI | <i>Craterellus cornucopoides</i>                    | 13707                 |
| PRWI | <i>Crepidotus applanatus</i> var. <i>applanatus</i> | 13669                 |
| PRWI | <i>Crepidotus crocophyllus</i>                      | 13751                 |
| PRWI | <i>Crepidotus mollis</i>                            | 13773                 |
| PRWI | <i>Crepidotus varabilis</i>                         | 13750                 |
| PRWI | <i>Daldinia concentrica</i>                         | 13700                 |
| PRWI | <i>Fomitopsis cajanderi</i>                         | 13661                 |
| PRWI | <i>Fomitopsis cajanderi</i>                         | 13662                 |
| PRWI | <i>Fomitopsis cajanderi</i>                         | 13688                 |
| PRWI | <i>Galiella rufa</i>                                | 13651                 |
| PRWI | <i>Ganoderma applanatum</i>                         | 13655                 |
| PRWI | <i>Grifola frondosa</i>                             | 13717                 |
| PRWI | <i>Gymnopus dryophilus</i>                          | 13785                 |
| PRWI | <i>Humaria hemisphaerica</i>                        | 13652                 |
| PRWI | <i>Hygrocybe cantharellus</i>                       | 13748                 |
| PRWI | <i>Hygrocybe flavescens</i>                         | 13778                 |
| PRWI | <i>Hygrocybe subovina</i> / <i>subviolacea</i>      | 13648                 |
| PRWI | <i>Hygrophoropsis aurantiaca</i>                    | 13658                 |
| PRWI | <i>Hygrophorus chrysaspis</i>                       | 13749                 |
| PRWI | <i>Hymenochaete tabacina</i>                        | 13724                 |
| PRWI | <i>Hypholoma fasciculare</i>                        | 13782                 |
| PRWI | <i>Inocybe lilacina</i>                             | 13767                 |
| PRWI | <i>Laccaria laccata</i>                             | 13780                 |
| PRWI | <i>Lactarius argillaceifolius</i>                   | 13784                 |
| PRWI | <i>Lactarius croceus</i>                            | 13716                 |
| PRWI | <i>Lactarius indigo</i>                             | 13788                 |
| PRWI | <i>Lactarius piperatus</i>                          | 13763                 |
| PRWI | <i>Lactarius volemus</i>                            | 13762                 |

| Park | Fungus                                          | NPS catalog<br>number |
|------|-------------------------------------------------|-----------------------|
| PRWI | <i>Laetiporus sulphureus</i>                    | 13668                 |
| PRWI | <i>Leccinum albellum</i>                        | 13736                 |
| PRWI | <i>Lentinellus ursinus</i>                      | 13719                 |
| PRWI | <i>Lenzites betulina</i>                        | 13687                 |
| PRWI | <i>Leotia lubrica</i>                           | 13676                 |
| PRWI | <i>Leptonia odorifer</i>                        | 13765                 |
| PRWI | <i>Lycoperdon echinatum</i>                     | 13701                 |
| PRWI | <i>Lycoperdon perlatum</i>                      | 13702                 |
| PRWI | <i>Lycoperdon pyriforme</i>                     | 13703                 |
| PRWI | <i>Lycoperdon umbrinum</i>                      | 13704                 |
| PRWI | <i>Marasmius pyrrocephalus</i>                  | 13720                 |
| PRWI | <i>Marasmius rotula</i>                         | 13725                 |
| PRWI | <i>Marasmius siccus</i>                         | 13723                 |
| PRWI | <i>Mycena leaiana</i>                           | 13698                 |
| PRWI | <i>Nolanea stricta</i>                          | 13764                 |
| PRWI | <i>Phaeolus schweinitzii</i>                    | 13718                 |
| PRWI | <i>Phellinus pini</i>                           | 13663                 |
| PRWI | <i>Phellodon sp.</i>                            | 13779                 |
| PRWI | <i>Phylloporus rhodoxanthus</i>                 | 13714                 |
| PRWI | <i>Phyllotopsis nidulans</i>                    | 13774                 |
| PRWI | <i>Pleurotus ostreatus</i>                      | 13696                 |
| PRWI | <i>Pluteus atricapillus</i>                     | 13746                 |
| PRWI | <i>Pluteus longistriatus</i>                    | 13745                 |
| PRWI | <i>Polyporus alveolaris</i>                     | 13647                 |
| PRWI | <i>Polyporus alveolaris</i>                     | 13649                 |
| PRWI | <i>Polyporus alveolaris</i>                     | 13654                 |
| PRWI | <i>Polyporus badius</i>                         | 13722                 |
| PRWI | <i>Polyporus elegans</i>                        | 13653                 |
| PRWI | <i>Polyporus elegans</i>                        | 13692                 |
| PRWI | <i>Pulveroboletus ravenelii</i>                 | 13738                 |
| PRWI | <i>Ramaria stricta</i>                          | 13711                 |
| PRWI | <i>Retiboletus ornatipes</i>                    | 13697                 |
| PRWI | <i>Rozites caperata</i>                         | 13787                 |
| PRWI | <i>Russula aeruginea</i>                        | 13753                 |
| PRWI | <i>Russula compacta</i>                         | 13754                 |
| PRWI | <i>Russula crassotunicata</i>                   | 13760                 |
| PRWI | <i>Russula emetica</i>                          | 13756                 |
| PRWI | <i>Russula fragilis</i>                         | 13755                 |
| PRWI | <i>Russula mariae</i>                           | 13761                 |
| PRWI | <i>Russula sanguinea</i>                        | 13757                 |
| PRWI | <i>Scleroderma areolatum</i>                    | 13705                 |
| PRWI | <i>Scleroderma citrinum</i>                     | 13706                 |
| PRWI | <i>Sparassis crispa</i>                         | 13664                 |
| PRWI | <i>Sparassis herbstii</i> aka <i>spathulata</i> | 13673                 |
| PRWI | <i>Steccherinum ocharaceum</i>                  | 13657                 |
| PRWI | <i>Stemonitis axifara</i>                       | 13686                 |
| PRWI | <i>Stereum complicatum</i>                      | 13693                 |
| PRWI | <i>Stereum hirsutum</i>                         | 13689                 |

| Park | Fungus                            | NPS catalog<br>number |
|------|-----------------------------------|-----------------------|
| PRWI | <i>Stereum ostrea</i>             | 13670                 |
| PRWI | <i>Stereum ostrea</i>             | 13683                 |
| PRWI | <i>Stereum ostrea</i>             | 13694                 |
| PRWI | <i>Strobilomyces floccopus</i>    | 13660                 |
| PRWI | <i>Stropharia thrausta</i>        | 13776                 |
| PRWI | <i>Suillus granulatus</i>         | 13740                 |
| PRWI | <i>Thelephora caryophyllea</i>    | 13712                 |
| PRWI | <i>Trametes elegans</i>           | 13699                 |
| PRWI | <i>Trametes hirsuta</i>           | 13695                 |
| PRWI | <i>Trametes versicolor</i>        | 13679                 |
| PRWI | <i>Tremella reticulata</i>        | 13713                 |
| PRWI | <i>Trichaptum biforme</i>         | 13665                 |
| PRWI | <i>Trichaptum biforme</i>         | 13666                 |
| PRWI | <i>Trichaptum biforme</i>         | 13650                 |
| PRWI | <i>Tylopilus indecisis</i>        | 13734                 |
| PRWI | <i>Tylopilus plumbeoviolaceus</i> | 13739                 |
| PRWI | <i>Tylopilus tabacinus</i>        | 13741                 |
| PRWI | <i>Tyromyces chioneus</i>         | 13690                 |
| PRWI | <i>Xanthoconium affine</i>        | 13726                 |
| PRWI | <i>Xerula furfuracea</i>          | 13744                 |
| PRWI | <i>Xerula megalospora</i>         | 13743                 |
| PRWI | <i>Xylaria tentaculata</i>        | 13675                 |
| PRWI | <i>Xylaria tentaculata</i>        | 13691                 |

The U.S. Department of the Interior (DOI) is the nation's principal conservation agency, charged with the mission "*to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian tribes and our commitments to island communities.*" More specifically, Interior protects America's treasures for future generations, provides access to our nation's natural and cultural heritage, offers recreation opportunities, honors its trust responsibilities to American Indians and Alaska Natives and its responsibilities to island communities, conducts scientific research, provides wise stewardship of energy and mineral resources, fosters sound use of land and water resources, and conserves and protects fish and wildlife. The work that we do affects the lives of millions of people; from the family taking a vacation in one of our national parks to the children studying in one of our Indian schools.

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**National Park Service**  
**U.S. Department of the Interior**



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