

Report on June 2014 Inventory of Early Summer Macrofungi at the Pocono Environmental Education Center (PEEC) and Nearby National Park Service Sites

Prepared By John A. Burghardt

Date Submitted: December 29, 2014

Study #: DEWA-00215

Permit # DEWA-2014-SCI-0018

SUMMARY

The New Jersey Mycological Association (NJMA) held its 33rd early summer weekend foray at the Pocono Environmental Education Center (PEEC) near Dingman's Ferry, PA from June 20 - 22, 2014. A total of 28 NJMA members and our guest mycologist collected, documented and identified macrofungi at locations on the PEEC grounds and nearby National Park Service lands. Participants made 148 documented collections of 95 taxa, including 13 taxa that NJMA had not previously identified at its early summer PEEC forays. Thirty-three dried specimens of 32 taxa were provided to the National Park Service herbarium.

METHODS

The PEEC 2014 foray was held from Friday to Sunday, June 20–21, 2014. Before collecting began, all participants were briefed on our plan to collect good examples of each taxon found on each foray, and to record location and collector for every collection. We planned to have forays on Friday afternoon focused on the Red Trail, and on Saturday morning focused on Tom's Creek and Indian Ladder. Participants would then be able to use Saturday afternoon for identifying material already collected, further collecting on their own, or relaxing.

To facilitate recording the location of each collection, we asked participants to use the PEEC trail guide map of the Red Trail and record the closest numbered station on the trail as the location of each collection they made. For the Indian Ladders and Tom's Creek Trails, we prepared "pictorial" guides showing landmarks to which we assigned numbers. Participants were asked to record on the foray slip the number of the land mark nearest the location of each collection. Participants who carried hand held GPS units could record the exact location of their collections.

To minimize the chance of multiple collections of the same species on a given trail, participants divided into two groups at the start of each walk. On the Red Trail, which makes a circuit, the two groups walked the trail in opposite directions. At the Tom's Creek and Indian Ladder, which are not circuit trails, half of each group started collecting at the beginning of the trail, and the other half walked through to the end of the trail and collected as they returned to the parking area.

We did not anticipate that a significant number of collections would be made on other trails on the PEEC grounds. However, many participants who collected on campus or on other PEEC trails were able to take GPS readings, report trail guide station numbers, or otherwise describe the location of their collections. In this way, the group provided GPS points taken within 200-300 feet of the collection site for over 90 percent of all collections recorded and the name of the trail or general location for every collection.

RESULTS

Results are reported in three tables.

Table 1 List of Species Identified at PEEC in June 2014 provides a list of the taxa identified. For each taxon it shows (1) genus and species, (2) number of collections of the taxon at PEEC 2014, and (3) the PEEC voucher specimen number of each taxon for which a dried specimen was provided to the National Park Service. Columns 4- 6 provide measures of the relative frequency with which each taxon has been collected previously at PEEC or more broadly throughout out the collecting season in all locations where NJMA has collected over the years. Column (4) shows the number of PEEC forays at which the taxon was recorded from 1976-2007. Columns (5) and (6) show, respectively, the number of years and the number of forays at which the taxon was recorded between 1981 and 2013 on an NJMA foray held during the period May-October of each collecting year. The list includes 95 taxa.

Table 2 List of Collections Documented at PEEC in 2014 provides a list of all individual collections made at PEEC in 2014. For each collection it shows 1) collection date, 3) location (including trail plus way point number), 4) geo-coordinates of the way point, 5) collector name, 6) identifiers 1 and 2 (if applicable), and 7) the collections for which dried specimens were provided to the National Park Service.

Table 3 List of Species Identified at PEEC in 2014, Sorted By Number of Years Recorded Previously at PEEC is a version of the summary list in Table 1, sorted by the frequency with which each taxon identified in 2014 has been identified in 31 previous PEEC forays. Taxa new to our list in 2014 appear near the top of the list; more commonly found species appear further down the list, with those found at all 31 prior PEEC forays (*Megacollybia rodmanii* and *Ganoderma tsugae*) at the end of the list.

Two other tables supplement these three main tables documenting our collections at PEEC in 2014.

Table 3A Groups Defined By Number of Years Previously Collected at PEEC: Frequency Counts, Number of Years Collected and Number of NJMA Forays Tabulated from Table 3, this table shows for groups of fungi defined by the number of prior years recorded at PEEC: 1) number of species collected in 2014 with specified number of prior years collected at PEEC, 2) total number of years the fungi in each row group were recorded at a NJMA foray,

3) average number of years fungi in row group were recorded at an NJMA foray, 4) total number of forays fungi in row group were recorded at an NJMA foray, and 5) average number of forays fungi in row group were recorded at an NJMA foray.

Table 4 Fungi Collected at the Pocono Environmental Education Center, Late June 1976-2007 and 2014 provides a list of taxa that NJMA has collected at PEEC by year, updated to show the collections in 2014. The updated list includes 566 taxa.

DISCUSSION

The 2014 PEEC foray was unusually productive. As noted, 95 taxa were identified, including 5 to genus. To provide perspective, the median number of species identified in our early summer PEEC foray is about 65, and in only 5 of the previous 33 years has the number of taxa identified exceed 95.

A total of 13 taxa were identified for the first time at PEEC, and 4 of these were identified for the first time at an NJMA foray. The 13 new taxa exhibit all of the three functions of fungi as well as a broad array of forms.

- Two of four *mycorrhizal* species have gills (**Russula roseipes** and **Russula adulterina**) and two have pores (**Boletus miniatus-olivaceus** and **Sutorius eximius**).
- One is a hard conch-like *parasite* on living hardwoods (**Phellinus everhartii**).
- Eight are *saprobies* on leaves or wood. The gilled **Leucopaxillus lateritius** decomposes leaves. Wood decomposers include four gilled species (**Hohenbuehelia mastrucata**, **Volvariella bombycina**, **Cheimonophyllum candidissimum**, **Marasmiellus opacus**), a polypore with long tooth-like pores (**Sarcodontia setosa**), a crust fungus (**Basidioradulum crustosum**), and an Ascomyete (**Chlorencholia versiformis**).

Data on the frequency with which fungi collected this year at PEEC in late June have been collected previously at PEEC and collected previously at NJMA forays throughout the year provide interesting context on the relative frequency of the taxa collected at PEEC this year. Both the PEEC data and broader NJMA data show that species *uncommon at PEEC* are *uncommon more broadly*, and species *common at PEEC* are also *common more broadly* at NJMA forays. For example, the 13 species found this year which had not previously been recorded at PEEC have been collected on average two times on NJMA forays in two years. At the other extreme, the 14 species collected this year at PEEC that had been collected previously in 20-31 years at PEEC have been collected 156 times over 32 years at NJMA forays or about 5 times per year in which they were collected..

Several fungi found at PEEC this year are interesting because they don't conform to expected patterns. Two species each collected once previously at PEEC stand out because they are very common fungi that we usually find in the fall. So it is surprising that they have each been found twice at PEEC in late June. **Gymnopilus penetrans**, a saprobe on conifers, was collected at

PEEC in 1989 and **Hypholoma fasciculare**, a saprobe on deciduous and coniferous wood, was collected in 1978. A check of club foray records covering the past seven years confirmed that both species are nearly always collected in the fall. Interestingly, **Gymnopilus penetrans** was collected in Stokes State Forest just across the Delaware River from PEEC in late June 2011. So the rare early summer appearance at PEEC of these fall saprobes may not be a fluke. In a similar vein, the apparently unusual **Hohenbuehelia mastrucata**, found for the first time this fall at PEEC was also identified in the New Jersey Pine Barrens in early November of this year. **Mycena alcalina** is another unusual case because it has been identified three times previously at PEEC, but it has been found previously at NJMA forays only four times. So this taxon is collected rarely and three of the four collections recorded over the years have been recorded at PEEC in June.

Table 1					
List of Species Identified At PEEC in June 2014					
New Jersey Mycological Association			Number of	Number of	Number of
	Number of	PEEC	Years	Years	Forays
	Collections	Voucher	Recorded	NJMA	NJMA
	PEEC Foray	Specimen	at PEEC	Recorded	Recorded
Genus and Species	2014		1976-2007	1981-2013	1981-2013
(1)	(2)	(3)	(4)	(5)	(6)
<i>Agrocybe acericola</i>	1		1	8	8
<i>Amanita muscaria</i> v <i>guessowii</i>	1		13	31	106
<i>Amanita</i> sp. (<i>vaginata</i> group)	1		na		
<i>Artomyces pyxidata</i>	4	PEEC 2014 017	19	33	122
<i>Astraeus hygrometricus</i>	1		4	13	18
<i>Auricularia auricula</i>	1		15	28	60
<i>Basidioradulum crustosum</i>	1		0		
<i>Bjerkandera adusta</i>	1	PEEC 2014 010	2	19	42
<i>Boletus badius</i>	1		19	28	41
<i>Boletus chrysenteron</i>	2		9	26	57
<i>Boletus edulis</i> v <i>edulis</i>	1		6	22	41
<i>Boletus gracilis</i>	1	PEEC 2014 023	3	19	26
<i>Boletus miniato-olivaceus</i>	1	PEEC 2014 035	0	2	2
<i>Boletus pulverulentus</i>	1	PEEC 2014 020	6	26	53
<i>Boletus subvelutipes</i>	1		7	21	49
<i>Ceratiomyxa fruticulosa</i>	3		17	27	73
<i>Cerrena unicolor</i>	1		8	19	49
<i>Cheimonophyllum candidissimum</i>	2	PEEC 2014 004	0	3	4
<i>Chlorencholia versiformis</i>	1	PEEC 2014 019	0		
<i>Chlorociboria aeruginascens</i>	2		13	25	102
<i>Clitocybe gibba</i>	2		5	21	41
<i>Crepidotus applanatus</i>	2		13	27	70
<i>Crepidotus crocophyllus</i>	1		4	15	22
<i>Dacrymyces chrysospermus</i> (= <i>palmaris</i>)	1		6	26	51
<i>Daedalea quercina</i>	1		4	24	61
<i>Daedaleopsis confragosa</i>	1		8	33	216
<i>Daldinia concentrica</i>	1	PEEC 2014 011	9	31	78
<i>Diatrype stigma</i>	1		1	6	10
<i>Fomes fomentarius</i>	4		17	30	70
<i>Fuligo septica</i>	1		15	29	66
<i>Galiella rufa</i>	1	PEEC 2014 005	8	30	67
<i>Ganoderma applanatum</i>	3		28	33	199
<i>Ganoderma tsugae</i>	5	PEEC 2014 024	31	33	82
<i>Gomphus floccosus</i>	1	PEEC 2014 014	3	18	23
<i>Gymnopilus penetrans</i>	1		1	21	42
<i>Gymnopus dryophilus</i>	1		23	31	81
<i>Hapalopilus nidulans</i>	1	PEEC 2014 003	6	25	53
<i>Hohenbuehelia mastrucata</i>	1	PEEC 2014 006	0	1	1
<i>Hydnochaete olivacea</i>	1		2	26	78
<i>Hygrocybe laeta</i>	1		4	23	37
<i>Hypholoma fasciculare</i>	1	PEEC 2014 021	1	30	67
<i>Hypomyces chrysospermus</i>	4		8	29	96
<i>Lactarius subpurpureus</i>	1	PEEC 2014 015	2	19	24
<i>Laetiporus cincinnatus</i>	1	PEEC 2014 001	3	22	40
<i>Leccinum scabrum</i>	1		5	27	93
<i>Lentinus</i> sp.	1	PEEC 2014 008	na		
<i>Lenzites elegans</i>	5		5	17	101
<i>Leucopaxillus laterarius</i>	1	PEEC 2014 026	0	1	1
<i>Lycogala epidendrum</i>	1		20	33	172
<i>Lycoperdon perlatum</i>	1		6	33	161
<i>Lycoperdon pyriforme</i>	1		3	31	104
<i>Marasmiellus opacus</i>	2		0	6	7
<i>Marasmius rotula</i>	1		12	27	53
<i>Marasmius sullivantii</i>	1		1	17	25
<i>Megacollybia rodmanii</i>	3		31	33	197
<i>Melanoleuca alboflavida</i>	2	PEEC 2014 029	6	24	43

Table 1					
List of Species Identified At PEEC in June 2014					
New Jersey Mycological Association			Number of	Number of	Number of
	Number of	PEEC	Years	Years	Forays
	Collections	Voucher	Recorded	NJMA	NJMA
	PEEC Foray	Specimen	at PEEC	Recorded	Recorded
Genus and Species	2014		1976-2007	1981-2013	1981-2013
(1)	(2)	(3)	(4)	(5)	(6)
Mycena alcalina	1		3	4	4
Neofavolus alveolaris	1		24	33	137
Oxyporus populinus	1		4	28	69
Panellus stipticus	1		2	31	169
Phaeomarasmium erinaceellus	1	PEEC 2014 002	8	18	25
Phellinus everhartii	1		0	6	6
Piptoporus betulinus	1		16	33	164
Pluteus cervinus	3		28	33	213
Pluteus sp.	1		na	4	5
Polyporus leptcephalus	4	PEEC 2014 028	25	33	160
Psathyrella sp.	2	PEEC 2014 027	na	14	35
Russula roseipes	1	PEEC 2014 034	0		
Russula adulterina	1	PEEC 2014 033	0		
Russula barlae	1	PEEC 2014 016	2	12	18
Russula ornaticeps	1		1	17	40
Russula vinacea	1		18	30	148
Sarcodon sp	1	PEEC 2014 030		1	1
Sarcodontia setosa	1	PEEC 2014 032	0	2	2
Sarcoscypha occidentalis	4	PEEC 2014 012 & 013	23	29	61
Schizophyllum commune	4		29	33	168
Scutellinia scutellata	1	PEEC 2014 018	23	31	103
Steccherinum ochraceum	1	PEEC 2014 009	1	16	27
Stemonitis axifera	1		8	20	38
Stereum complicatum	2		15	30	221
Stereum ostrea	3		19	33	228
Sutorius eximius	1	PEEC 2014 022	0	1	1
Trametes versicolor	3		17	33	262
Tremellodendron pallidum	1		10	31	104
Trichaptum abietinum	2		9	14	25
Trichaptum bifforme	5		26	33	252
Tubifera ferruginosa	1		8	28	49
Tylophilus felleus	1		21	31	109
Tyromyces chioneus	1		22	33	246
Volvariella bombycina	1	PEEC 2014 025	0	3	3
Xeromphalina campanella	1		18	20	36
Xerula furfuracea	1		16	23	119
Xylaria hypoxylon	1		15	17	23
Xylaria polymorpha	1		16	32	90
Xylobolus frustulatus	2		11	26	72
Number of Species Found	95				
Number of Species Found for First Time at PEEC	13				
Number of Species Found One Year Previously at PEEC	7				
Number of Collections	148				

Table 2													
List of Collections Documented At PEEC in 2014													
New Jersey Mycological Association													
June 20-22, 2014													PEEC
													Voucher
Genus and Species Name	Date	Location	Latitude - North			Longitude - West			Collector	Identifier 1	Identifier 2		Specimen
(1)	(2)	(3)	Deg	Min	Sec	Deg	Min	Sec	(5)	(6)	(7)		(8)
Agrocybe acericola	6/20/2014	RT-9							Jack Barnett	Jack Barnett	Dorothy Smullen		
Amanita muscaria v guessowii	6/22/2014	PEEC campus							Suzanne Venezia	Nina Burghardt			
Amanita sp. (vaginata group)	6/20/2014	not recorded							not recorded	Nina Burghardt			
Artomyces pyxidata	6/21/2014	IF-1/2							Dorothy Smullen	Dorothy Smullen			PEEC 2014 017
Artomyces pyxidata	6/20/2014	Two Ponds							Joe Bukowski	John Burghardt			
Artomyces pyxidata	6/21/2014	RT-15							John Burghardt	John Burghardt			
Artomyces pyxidata	6/21/2014	RT-16/17							Lynn Sherman	Lynn Sherman			
Astraeus hygrometricus	6/21/2014	IF-2							Dorothy Smullen	Dorothy Smullen			
Auricularia auricula	6/21/2014	IF-1							Sharon Sterling	Dorothy Smullen			
Basidirodulium crustosum	6/21/2014	IF-1/2							Kevin Broderick	Jack Barnett	Nathan Wilson		
Bjerkandera adusta	6/21/2014	IF-1							John Burghardt	Dorothy Smullen			PEEC 2014 010
Boletus badius	6/20/2014	RT-20							Igor Safonov	Igor Safonov			
Boletus chrysenteron	6/21/2014	IF							Joe Bukowski	Igor Safonov			
Boletus chrysenteron	6/21/2014	TC-2							Nina Burghardt	Igor Safonov			
Boletus edulis v edulis	6/22/2014	stop sign exiting PEEC							Suzanne Venezia	Igor Safonov			
Boletus gracilis	6/21/2014	TC-2/3							Nina Burghardt	Igor Safonov			PEEC 2014 023
Boletus miniato-olivaceus	6/21/2014	TC-6							Jack Barnett	Igor Safonov			PEEC 2014 035
Boletus pulverulentus	6/21/2014	IF-1							John Burghardt	Igor Safonov			PEEC 2014 020
Boletus subvelutipes	6/21/2014	TC-5							Jack Barnett	Jim Barg	Igor Safonov		
Ceratiomyxa fruticulosa	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen			
Ceratiomyxa fruticulosa	6/20/2014	RT-19							Liz Broderick	Dorothy Smullen			
Ceratiomyxa fruticulosa	6/20/2014	RT-20							Patricia McNaught	Dorothy Smullen			
Cerrena unicolor	6/20/2014	YT-3							John Burghardt	Dorothy Smullen			
Cheimonophyllum candidissimum	6/20/2014	RT-16							John Burghardt	John Burghardt			PEEC 2014 004
Cheimonophyllum candidissimum	6/21/2014	TC-3							Paul Sheldon	John Burghardt			
Chlorencholia versiformis	6/21/2014	IF-6							John Burghardt	Nina Burghardt	Michael Beug		PEEC 2014 019
Chlorociboria aeruginascens	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen			
Chlorociboria aeruginascens	6/20/2014	RT-19							Nina Burghardt	Nina Burghardt			
Clitocybe gibba	6/21/2014	TC							Ellen Hess	Nina Burghardt			
Clitocybe gibba	6/20/2014	Two Ponds-pine needles							Joe Bukowski	Nina Burghardt			
Crepidotus applanatus	6/20/2014	RT-20							Nina Burghardt	Nina Burghardt			
Crepidotus applanatus	6/21/2014	TC-2/3							Rob Hess	Dorothy Smullen			
Crepidotus crocophyllus	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen			
Dacrymyces chrysospermus (=palmatus)	6/20/2014	RT-19							Liz Broderick	Dorothy Smullen			
Daedalea quercina	6/21/2014	Tumbling Falls							Mark Jackson	Dorothy Smullen			
Daedaleopsis confragosa	6/21/2014	IF 4/5							Dorothy Smullen	Dorothy Smullen			
Daldinia concentrica	6/21/2014	IF-5							John Burghardt	Dorothy Smullen			PEEC 2014 011
Diatrype stigma	6/20/2014	RT-20							John Burghardt	John Burghardt			
Fomes fomentarius	6/21/2014	IF-6							John Burghardt	John Burghardt			
Fomes fomentarius	6/20/2014	RT-20							Mark Jackson	John Burghardt			
Fomes fomentarius	6/20/2014	RT							Suzanne Venezia	Igor Safonov			
Fomes fomentarius	6/21/2014	TC-6							Jack Barnett	Jack Barnett			
Fuligo septica	6/21/2014	TC-6							Jack Barnett	Jack Barnett			
Galiella rufa	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen			PEEC 2014 005
Ganoderma applanatum	6/20/2014	RT-20							Liz Broderick	Dorothy Smullen			
Ganoderma applanatum	6/20/2014	RT-6/7							Fran Sheldon	John Burghardt			
Ganoderma applanatum	6/20/2014	RT-12							Igor Safonov	Igor Safonov			
Ganoderma tsugae	6/20/2014	RT-15							Liz Broderick	Liz Broderick			PEEC 2014 024
Ganoderma tsugae	6/21/2014	TC-1/2							Fran Sheldon	John Burghardt			
Ganoderma tsugae	6/21/2014	RT-20							Igor Safonov	Dorothy Smullen			
Ganoderma tsugae	6/21/2014	YT-12							Joe Bukowski	John Burghardt			
Ganoderma tsugae	6/21/2014	IF-2							Kevin Broderick	John Burghardt			
Gomphus floccosus	6/21/2014	TC-3/4							Richard Darveau	Nina Burghardt			PEEC 2014 014
Gymnopilus penetrans	6/20/2014	Two Ponds							Joe Bukowski	Dorothy Smullen			
Gymnopilus dryophilus	6/20/2014	Pine woods by dining hall							Dorothy Smullen	Dorothy Smullen			

Table 2													
List of Collections Documented At PEEC in 2014													
New Jersey Mycological Association													
June 20-22, 2014													PEEC
													Voucher
Genus and Species Name	Date	Location	Latitude - North			Longitude - West			Collector	Identifier 1	Identifier 2	Specimen	
(1)	(2)	(3)	Deg	Min	Sec	Deg	Min	Sec	(5)	(6)	(7)	(8)	
Hapalopilus nidulans	6/20/2014	RT-15							Liz Broderick	Liz Broderick	Dorothy Smullen	PEEC 2014 003	
Hohenbuehelia mastrucata	6/20/2014	Two Ponds (Red Pine grove)							Dorothy Smullen	Dorothy Smullen		PEEC 2014 006	
Hydnochaete olivacea	6/21/2014	IF-4							Dorothy Smullen	Dorothy Smullen			
Hygrocybe laeta	6/20/2014	RT-6							Sharon Sterling	Dorothy Smullen			
Hypholoma fasciculare	6/21/2014	IF-2/3							Robert Saunders	Dorothy Smullen	Nathan Wilson	PEEC 2014 021	
Hypomyces chrysospermus	6/21/2014	IF-5							John Burghardt	John Burghardt			
Hypomyces chrysospermus	6/20/2014	RT-11							John Burghardt	John Burghardt			
Hypomyces chrysospermus	6/21/2014	TC-4/5							John Burghardt	John Burghardt			
Hypomyces chrysospermus	6/20/2014	RT-1							Jack Barnett	Jack Barnett			
Lactarius subpurpureus	6/21/2014	TC-2/3							Nina Burghardt	Jim Barg		PEEC 2014 015	
Laetiporus cincinnatus	6/20/2014	RT at jct with Yellow Tr							Sharon Sterling	Sharon Sterling	Nina Burghardt	PEEC 2014 001	
Leccinum scabrum	6/20/2014	RT-20							Igor Safonov	Igor Safonov			
Lentinus sp.	6/20/2014	RT-13							Jack Barnett	Nina Burghardt		PEEC 2014 008	
Lenzites elegans	6/21/2014	IF-4/5							Dorothy Smullen	Dorothy Smullen			
Lenzites elegans	6/21/2014	IF-2							Liz Broderick	John Burghardt			
Lenzites elegans	6/21/2014	IF-6/7							John Burghardt	John Burghardt			
Lenzites elegans	6/21/2014	McDade WP#126							John Burghardt	John Burghardt			
Lenzites elegans	6/21/2014	TC							not recorded	Dorothy Smullen			
Leucopaxillus laterarius	6/21/2014	YT-7/8/9							Joe Bukowski	Nathan Wilson		PEEC 2014 026	
Lycogala epidendrum	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen	John Burghardt		
Lycoperdon perlatum	6/20/2014	RT-15							Liz Broderick	Liz Broderick	John Burghardt		
Lycoperdon pyriforme	6/21/2014	IF-5							Nathan Wilson	Nathan Wilson			
Marasmiellus opacus	6/21/2014	IF-6							John Burghardt	Dorothy Smullen			
Marasmiellus opacus	6/21/2014	McDade WP#126							Nina Burghardt	Dorothy Smullen			
Marasmius rotula	6/20/2014	RT 16/17							Suzanne Venezia	Igor Safonov			
Marasmius sullivantii	6/21/2014	IF 1/2							Dorothy Smullen	Dorothy Smullen			
Megacollybia rodmanii	6/20/2014	RT-16							Igor Safonov	Igor Safonov			
Megacollybia rodmanii	6/20/2014	YT-3							John Burghardt	John Burghardt			
Megacollybia rodmanii	6/20/2014	RT-11							Sharon Sterling	Sharon Sterling			
Melanoleuca alboflavida	6/21/2014	TC							Ellen Hess	Jim Barg			
Melanoleuca alboflavida	6/21/2014	YT near ladder							Sharon Sterling	Jim Barg		PEEC 2014 029	
Mycena alcalina	6/21/2014	IF-2/3							Patricia McNaught	Patricia McNaught			
Neofavolus alveolaris	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen			
Oxyporus populinus	6/20/2014	RT-17							Patricia McNaught	Patricia McNaught			
Panellus stipticus	6/20/2014	Two Ponds							Joe Bukowski	Dorothy Smullen			
Phaeomarasmium erinaceellus	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen		PEEC 2014 002	
Phellinus everhartii	6/20/2014	IF-1							Nina Burghardt	Dorothy Smullen			
Piptoporus betulinus	6/21/2014	Two Ponds #17							Suzanne Venezia	Suzanne Venezia			
Pluteus cervinus	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen			
Pluteus cervinus	6/20/2014	RT-16/17							Igor Safonov	Igor Safonov			
Pluteus cervinus	6/20/2014	RT-16							Suzanne Venezia	Igor Safonov			
Pluteus sp.	6/20/2014	RT-16							Igor Safonov	Igor Safonov			
Polyporus leptoccephalus	6/20/2014	RT-15							Allen Kalati	John Burghardt		PEEC 2014 028	
Polyporus leptoccephalus	6/21/2014	IF-2/3							Dorothy Smullen	Dorothy Smullen			
Polyporus leptoccephalus	6/21/2014	TC-2/3							Nina Burghardt	Nina Burghardt			
Polyporus leptoccephalus	6/20/2014	TC-2/3							not recorded	Lynn Sherman			
Psathyrella sp.	6/21/2014	YT-7/8							Joe Bukowski	Nina Burghardt			
Psathyrella sp.	6/21/2014	TC-2/3							Nina Burghardt	Nina Burghardt		PEEC 2014 027	
Russula roseipes	6/21/2014	TC-2							Jack Barnett	Jack Barnett		PEEC 2014 034	
Russula adulterina	6/21/2014	TC-4/5							Jack Barnett	Jack Barnett		PEEC 2014 033	
Russula barlae	6/20/2014	RT-23							Jack Barnett	Jack Barnett		PEEC 2014 016	
Russula ornaticeps	6/21/2014	YT near ladder							Joe Bukowski	Igor Safonov			
Russula vinacea	6/20/2014	RT-17							not recorded	Nina Burghardt			
Sarcodon sp.	6/21/2014	Tumbling Falls, base, south side							Mark Jackson	Nina Burghardt		PEEC 2014 030	

Table 2													
List of Collections Documented At PEEC in 2014													
New Jersey Mycological Association													
June 20-22, 2014													PEEC
													Voucher
Genus and Species Name	Date	Location	Latitude - North			Longitude - West			Collector	Identifier 1	Identifier 2		Specimen
(1)	(2)	(3)	Deg	Min	Sec	Deg	Min	Sec	(5)	(6)	(7)		(8)
Sarcodontia setosa	6/21/2014	IF-5							John Burghardt	Dorothy Smullen			PEEC 2014 032
Sarcoscypha occidentalis	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen			PEEC 2014 013
Sarcoscypha occidentalis	6/20/2014	RT-20							Mary Anne Carletta	Dorothy Smullen			PEEC 2014 012
Sarcoscypha occidentalis	6/20/2014	RT-8							Mary Anne Carletta	Dorothy Smullen			
Sarcoscypha occidentalis	6/21/2014	IF-1/2							Robert Saunders	Dorothy Smullen			
Schizophyllum commune	6/21/2014	IF-1/2							Dorothy Smullen	Dorothy Smullen			
Schizophyllum commune	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen			
Schizophyllum commune	6/20/2014	RT-18/19 near YT 16							Mary Anne Carletta	Mary Anne Carletta			
Schizophyllum commune	6/21/2014	IF-7							Patricia McNaught	Patricia McNaught			
Scutellinia scutellata	6/21/2014	IF-5							Dorothy Smullen	Dorothy Smullen			PEEC 2014 018
Steccherinum ochraceum	6/20/2014	IF-1/2							Dorothy Smullen	Dorothy Smullen			PEEC 2014 009
Stemonitis axifera	6/20/2014	RT-6/7							Fran Sheldon	John Burghardt			
Stereum complicatum	6/21/2014	IF-2/3							Dorothy Smullen	Dorothy Smullen			
Stereum complicatum	6/21/2014	IF-5							John Burghardt	John Burghardt			
Stereum ostrea	6/20/2014	Two Ponds							Joe Bukowski	John Burghardt			
Stereum ostrea	6/20/2014	RT-15							John Burghardt	John Burghardt			
Stereum ostrea	6/22/2014	RT-17							Patricia McNaught	Patricia McNaught			
Sutorius eximius	6/21/2014	TC-6							Mary Anne Carletta	Igor Safonov			PEEC 2014 022
Trametes versicolor	6/21/2014	IF-5/6							John Burghardt	Dorothy Smullen			
Trametes versicolor	6/20/2014	RT-15							John Burghardt	Dorothy Smullen			
Trametes versicolor	6/20/2014	RT-13							Jack Barnett	Jack Barnett			
Tremellodendron pallidum	6/20/2014	RT-13							Fran Sheldon	Dorothy Smullen			
Trichaptum abietinum	6/21/2014	IF-2							Liz Broderick	Liz Broderick	John Burghardt		
Trichaptum abietinum	6/20/2014	RT-15							Liz Broderick	Liz Broderick			
Trichaptum biforme	6/20/2014	Two Ponds							Dorothy Smullen	Dorothy Smullen			
Trichaptum biforme	6/20/2014	RT-15							John Burghardt	John Burghardt			
Trichaptum biforme	6/20/2014	RT-4							John Burghardt	John Burghardt			
Trichaptum biforme	6/20/2014	RT-16							Patricia McNaught	John Burghardt			
Trichaptum biforme	6/21/2014	IF-5/6							not recorded	John Burghardt			
Tubifera ferruginosa	6/21/2014	IF-2							Patricia McNaught	Patricia McNaught			
Tylopius felleus	6/22/2014	Two Ponds							Suzanne Venezia	Dorothy Smullen			
Tyromyces chioneus	6/21/2014	IF-5							Dorothy Smullen	Dorothy Smullen			
Volvariella bombycina	6/21/2014	YT-7/8							Joe Bukowski	Dorothy Smullen	Nina Burghardt		PEEC 2014 025
Xeromphalina campanella	6/21/2014	IF-2/3							Patricia McNaught	Patricia McNaught			
Xerula furfuracea	6/20/2014	RT-20							Liz Broderick	Liz Broderick			
Xylaria hypoxylon	6/21/2014	RT-8							not recorded	John Burghardt			
Xylaria polymorpha	6/21/2014	IF-2							John Burghardt	John Burghardt			
Xylobolus frustulatus	6/20/2014	RT-16							John Burghardt	John Burghardt			
Xylobolus frustulatus	6/20/2014	RT-4							John Burghardt	John Burghardt			

Table 3				
List of Species Identified At PEEC in 2014				
Sorted By Number of Years Collected at PEEC				
New Jersey Mycological Association				
		Number of	Number of	Number of
	Number of	Years	Years	Forays
	Collections	Recorded	NJMA	NJMA
	PEEC Foray	at PEEC	Recorded	Recorded
Genus/species name	2014	1976-2007	1981-2013	1981-2013
(1)	(2)	(3)	(4)	(5)
Basidioradulum crustosum	1	0		
Boletus miniato-olivaceus	1	0	2	2
Chlorencholia versiformis	1	0		
Hohenbuehelia mastrucata	1	0	1	1
Leucopaxillus laterarius	1	0	1	1
Phellinus everhartii	1	0	6	6
Russula roseipes	1	0		
Russula adulterina	1	0		
Sarcodontia setosa	1	0	2	2
Sutorius eximius	1	0	1	1
Volvariella bombycina	1	0	3	3
Cheimonophyllum candidissimum	2	0	3	4
Marasmiellus opacus	2	0	6	7
Agrocybe acericola	1	1	8	8
Diatrype stigma	1	1	6	10
Gymnopilus penetrans	1	1	21	42
Hypholoma fasciculare	1	1	30	67
Marasmius sullivantii	1	1	17	25
Russula ornaticeps	1	1	17	40
Steccherinum ochraceum	1	1	16	27
Bjerkandera adusta	1	2	19	42
Hydnochaete olivacea	1	2	26	78
Lactarius subpurpureus	1	2	19	24
Panellus stipticus	1	2	31	169
Russula barlae	1	2	12	18
Boletus gracilis	1	3	19	26
Gomphus floccosus	1	3	18	23
Laetiporus cincinnatus	1	3	22	40
Lycoperdon pyriforme	1	3	31	104
Mycena alcalina	1	3	4	4
Astraeus hygrometricus	1	4	13	18
Crepidotus crocophyllus	1	4	15	22
Daedalea quercina	1	4	24	61
Hygrocybe laeta	1	4	23	37
Oxyporus populinus	1	4	28	69
Leccinum scabrum	1	5	27	93
Clitocybe gibba	2	5	21	41
Lenzites elegans	5	5	17	101
Boletus edulis v edulis	1	6	22	41
Boletus pulverulentus	1	6	26	53
Dacrymyces chrysospermus (=palmatus)	1	6	26	51
Hapalopilus nidulans	1	6	25	53
Lycoperdon perlatum	1	6	33	161
Melanoleuca alboflavida	2	6	24	43
Boletus subvelutipes	1	7	21	49
Cerrena unicolor	1	8	19	49
Daedaleopsis confragosa	1	8	33	216
Galiella rufa	1	8	30	67
Phaeomarasmius erinaceellus	1	8	18	25
Stemonitis axifera	1	8	20	38
Tubifera ferruginosa	1	8	28	49
Hypomyces chrysospermus	4	8	29	96
Daldinia concentrica	1	9	31	78
Trichaptum abietinum	2	9	14	25

Table 3				
List of Species Identified At PEEC in 2014				
Sorted By Number of Years Collected at PEEC				
New Jersey Mycological Association				
		Number of	Number of	Number of
	Number of	Years	Years	Forays
	Collections	Recorded	NJMA	NJMA
	PEEC Foray	at PEEC	Recorded	Recorded
Genus/species name	2014	1976-2007	1981-2013	1981-2013
(1)	(2)	(3)	(4)	(5)
<i>Boletus chrysenteron</i>	2	9	26	57
<i>Tremellodendron pallidum</i>	1	10	31	104
<i>Xylobolus frustulatus</i>	2	11	26	72
<i>Marasmius rotula</i>	1	12	27	53
<i>Amanita muscaria</i> v <i>guessowii</i>	1	13	31	106
<i>Chlorociboria aeruginascens</i>	2	13	25	102
<i>Crepidotus applanatus</i>	2	13	27	70
<i>Auricularia auricula</i>	1	15	28	60
<i>Fuligo septica</i>	1	15	29	66
<i>Xylaria hypoxylon</i>	1	15	17	23
<i>Stereum complicatum</i>	2	15	30	221
<i>Piptoporus betulinus</i>	1	16	33	164
<i>Xerula furfuracea</i>	1	16	23	119
<i>Xylaria polymorpha</i>	1	16	32	90
<i>Ceratiomyxa fruticulosa</i>	3	17	27	73
<i>Trametes versicolor</i>	3	17	33	262
<i>Fomes fomentarius</i>	4	17	30	70
<i>Russula vinacea</i>	1	18	30	148
<i>Xeromphalina campanella</i>	1	18	20	36
<i>Boletus badius</i>	1	19	28	41
<i>Stereum ostrea</i>	3	19	33	228
<i>Artomyces pyxidata</i>	4	19	33	122
<i>Lycogala epidendrum</i>	1	20	33	172
<i>Tylopilus felleus</i>	1	21	31	109
<i>Tyromyces chioneus</i>	1	22	33	246
<i>Gymnopus dryophilus</i>	1	23	31	81
<i>Scutellinia scutellata</i>	1	23	31	103
<i>Sarcoscypha occidentalis</i>	4	23	29	61
<i>Neofavolus alveolaris</i>	1	24	33	137
<i>Polyporus leptcephalus</i>	4	25	33	160
<i>Trichaptum bifforme</i>	5	26	33	252
<i>Ganoderma applanatum</i>	3	28	33	199
<i>Pluteus cervinus</i>	3	28	33	213
<i>Schizophyllum commune</i>	4	29	33	168
<i>Megacollybia rodmanii</i>	3	31	33	197
<i>Ganoderma tsugae</i>	5	31	33	82
<i>Amanita</i> sp. (<i>vaginata</i> group)	1	na		
<i>Lentinus</i> sp.	1	na		
<i>Pluteus</i> sp.	1	na	4	5
<i>Psathyrella</i> sp.	2	na	14	35
<i>Sarcodon</i> sp	1		1	1
	95			

Table 3A
Frequency Counts of NJMA Previous Collections For Groups Defined by Number of Prior Years Collected at PEEC

Number of Prior Years Recorded at PEEC	Number of Species Collected in 2014 With Number of Prior Years Collected at PEEC Shown in Row Head (1)	Total Number of YEARS Fungi in Row Group Were Recorded at NJMA Foray (2)	Average Number of YEARS Fungi in Row Group Were Recorded at NJMA Foray (3)	Total Number of FORAYS Fungi in Row Group Were Recorded at NJMA Foray (4)	Average Number of FORAYS Fungi in Row Group Were Recorded at NJMA Foray (1)
0	13	25	2	27	2
1	7	115	16	219	31
2-5	18	369	21	970	54
6-9	17	425	25	1151	68
10-19	21	593	28	2230	106
20-33	14	452	32	2180	156
Total	90	1979	22	6777	75

New Jersey Mycological Association

12/29/2014

