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Geography and hosts of the wood decay fungi *Fomes fasciatus* and *Fomes fomentarius* in the United States

Meghan A. McCormick, Marc A. Cubeta, and Larry F. Grand

Department of Plant Pathology, North Carolina State University, Raleigh, NC 27695-7616, USA

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Corresponding author: M. A. McCormick, mamccor3@ncsu.edu. Accepted for publication January 7, 2013
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Abstract: Comprehensive United States county distribution maps of *Fomes fasciatus* and *F. fomentarius* were developed based on peer-reviewed publications, records from mycological herbaria and collections made for this study. The geographic distribution was expanded for both species to include a total of seven counties in five states not included in previous publications and records. North Carolina and Tennessee were the only states where both species occurred, but their distributions did not overlap when resolved to the county level. Both fungi occurred on a diverse range of hardwood tree hosts, and in this study, 11 and 17 new hosts associations were identified for *F. fasciatus* and *F. fomentarius*, respectively. The extension of host distributions beyond the known range for each fungus suggests that other delimiting factors may contribute to the distribution of *F. fasciatus* and *F. fomentarius*.

Key words: fungus distribution, polypores, white rot, wood decay

Introduction: The wood decay fungi *Fomes fasciatus* (Sw.) Cooke and *F. fomentarius* (L.) J. Kickx f. cause white heart rot in multiple species of trees and play important roles in forest ecology. These fungi occur in the United States and other areas of the world. Both species are associated with a variety of perennial woody plant hosts and produce basidiocarps on at least 23 tree species in over 10 different genera in the United States (Farr and Rossman 2012, Gilbertson and Ryvarden 1986, Overholts 1953). In the United States, *F. fasciatus* has been reported to occur predominantly on oak (*Quercus* spp.) and hickory (*Carya* spp.), while *F. fomentarius* typically occurs on birch (*Betula* spp.), beech (*Fagus* spp.), and maple (*Acer* spp.) (Farr and Rossman 2012). Both species are distinguished based on distinctive sclerids in the granular core of the basidiocarps, basidiocarp shape, mean basidiospore size, species of tree host, and geographic location within the United States (Gilbertson and Ryvarden 1986, Ryvarden 1991, Ryvarden and Gilbertson 1993).

Geographic distributions by state show that both fungi occur in North Carolina and Tennessee (Gilbertson and Ryvarden 1986). However, distributions by county for North Carolina did not overlap (Grand and Vernia 2006). The primary objective of this study was to better resolve the distribution to the county level for both species of *Fomes* in the United States.

Materials and Methods: United States distribution maps were compiled by county based on a critical assessment of 169 and 731 records for *F. fasciatus* and *F. fomentarius*, respectively (Table). These records were from online databases, consultation with curators or staff at mycological herbaria, and publications (Bates 2006, Gilbertson and Ryvarden 1986, Grand and Vernia 2006, Popp and Lindquist 2006, Purdy and Purdy 1982). Synonyms for *F. fasciatus* included: *F. marmoratus* (Berk. & M. A. Curtis) Cooke, *F. sclerodermeus* (Lév.) Cooke, and *Elfvigia fasciata* (Sw.) Murrill. A synonym for

F. fomentarius was *Elfvigia fomentaria* (L.) Murrill. Seven specimens (BPI— 229681, 229683, 229812, 229833, 229835, 229987, 871256) from United States National Fungus Collections (BPI) were examined. Species lists of host plants associated with both species of fungi were compiled from herbaria records and publications. County information was inferred from location information (e.g., state park or city) if counties were not listed in herbaria records.

Additional collections of *F. fasciatus* and *F. fomentarius* were collected from spring 2010 to fall 2011 and used in compiling and determining fungal distributions and host associations. Volunteers contributed 26 basidiocarps of *F. fasciatus* and 152 basidiocarps of *F. fomentarius*, which were examined in the laboratory, identified using taxonomic treatments of Gilbertson and Ryvarden (1986) and Overholts (1953), and deposited into the Larry F. Grand Mycological Herbarium at North Carolina State University (NCSLG). Nomenclature and authorities were from Index Fungorum (CABI et al. 2012) for fungi and The Plant List (2010) for trees. Herbaria abbreviations follow that of Thiers (2012). Distributions of the tree species most commonly associated with *F. fasciatus* and *F. fomentarius* in the United States were from The Biota of North American Project (Kartesz 2011, Lichvar and Kartesz 2009).

Results: The geographic distribution for *F. fasciatus* (Fig. 1) was expanded to include new reports in two counties in South Carolina (Anderson and Darlington) and for *F. fomentarius* (Fig. 2) to include counties in four states (Illinois—Douglas; Indiana—Clark, Marshal; Kentucky—Fayette; Missouri—St. Louis). Specimens collected for this study added three counties (South Carolina—Anderson; Georgia—Bleckley, Twiggs) for *F. fasciatus* and 10 counties (Pennsylvania—Union; Michigan—Alger, Grand Traverse, Leelanau; Minnesota—Lake; New York—Cortland, Oneida; Virginia—Floyd; Wisconsin—Bayfield, Burnett) for *F.*

fomentarius. Identification was confirmed for collections from BPI for *F. fasciatus* specimens (BPI—229833) and *F. fomentarius* specimens (BPI—229683, 871256). Four collections (BPI—229681, 229987, 229812, 229835) identified as *F. fomentarius* were found to be *F. fasciatus* upon examination.

Eleven host species of *F. fasciatus* and 17 host species of *F. fomentarius*, not currently listed by the USDA Systematic Mycology and Microbiology Laboratory Fungus-Host Database (Farr and Rossman 2012) were identified from herbaria database records. New host species for *F. fasciatus* were: *Carya illinoensis* (Wangenh.) K. Koch, *Casuarina glauca* Siebold ex Spreng., *Celtis mississippiensis* Bosc, *Citrus sinensis* Osbeck, *Gleditsia aquatica* Marshall, *Gordonia lasianthus* L., *Magnolia virginiana* L., *Persea borbonia* Spreng., *Prunus domestica* L., *Quercus arizonica* Sarg., and *Q. falcata* Michx. New host species for *F. fomentarius* were: *Acer macrophyllum* Pursh, *Aesculus sylvatica* W. Bartram, *Alnus incana* (L.) Moench, *A. oregona* Nutt., *A. sinuata* (Regel) Rydb., *A. tenuifolia* Nutt., *Betula lenta* L., *B. nigra* L., *Carpinus caroliniana* Walter, *Fraxinus americana* L., *F. nigra* Marsh., *Populus balsamifera* L., *P. deltoides* W. Bartram ex Marshall, *P. grandidentata* Michx., *Q. velutina* Lam., and *Ulmus americana* L. One of our collections of *F. fasciatus* on *Q. acutissima* Carruthers, represents the first record on that host.

Discussion: North Carolina represents a unique geographic transition area for these species because it represents the northern limit for *F. fasciatus* and the southern limit for *F. fomentarius* (Gilbertson and Ryvarden 1986, Grand and Vernia 2006). While both species occur in North Carolina, they have not been found in the same county or physiographic region of the state (Grand and Vernia 2006).

In support of the findings of Grand and Vernia (2006), the United States distribution of *F.*

fasciatus and *F. fomentarius* when resolved to the county level was not found to occur within the same county or region. *Fomes fasciatus* occurs in the Coastal Plain and *F. fomentarius* in the Blue Ridge Mountains of North Carolina. There was one record of *F. fasciatus* from Tennessee (BPI—231792) and records of *F. fomentarius* from California (BPI—229814) and Rhode Island (CFMR—FP-8635), but the collection data was insufficient to specify the county.

Host range, elevation, latitude, and climate determine the distribution of wood decay fungi with the most important environmental factors being temperature and precipitation (Gilbertson 1980, Overholts 1939). Gilbertson (1980) and Overholts (1939) provided several examples of wood decay fungi with distributions that cover a smaller area than their associated host tree species distribution. The distribution of several common tree species associated with *F. fasciatus* and *F. fomentarius* extends beyond the fungal distributions reported in this study suggesting that other delimiting factors may contribute to the occurrence of these fungi. The distribution of three tree species most commonly associated with *F. fasciatus* in the United States extends north along the east coast into New Jersey for *Q. nigra* L. and *Q. falcata* and west into Kansas, Iowa, and several Californian counties for *C. illinoensis*. The distribution of the three tree species most commonly associated with *F. fomentarius* in North Carolina extend south into the northern counties of South Carolina and Georgia for *B. alleghaniensis* Britton, northern Alabama for *B. lenta*, and into counties bordering the gulf coast of the United States for *Fagus grandifolia* Ehrh. *Acer rubrum* L., a host for both fungal species, is widely distributed throughout the eastern United States as far south as southern Florida and eastern Texas and north into Québec and Ontario, Canada.

Few detailed distribution maps exist for species of wood decay fungi in the United States. This study provides the most comprehensive

assessment of the distribution of two wood decay fungi and may serve as a guide for more definitive distribution maps of other fungi. The establishment of our comprehensive distribution maps and accompanying information will provide an improved database for more rigorous statistical analyses to assess and critically examine the distribution of *F. fasciatus* and *F. fomentarius* in response to changes in the environment.

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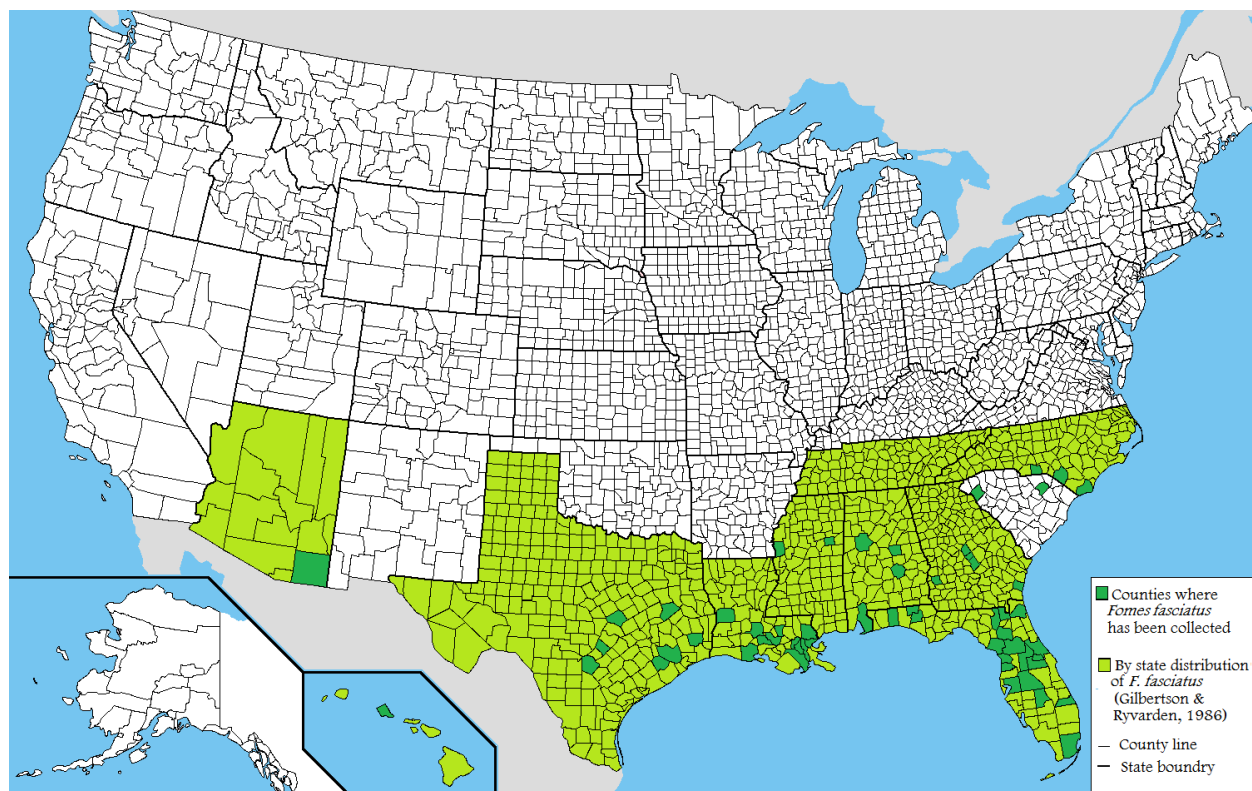


Fig. 1. County distribution of *Fomes fasciatus* in the United States

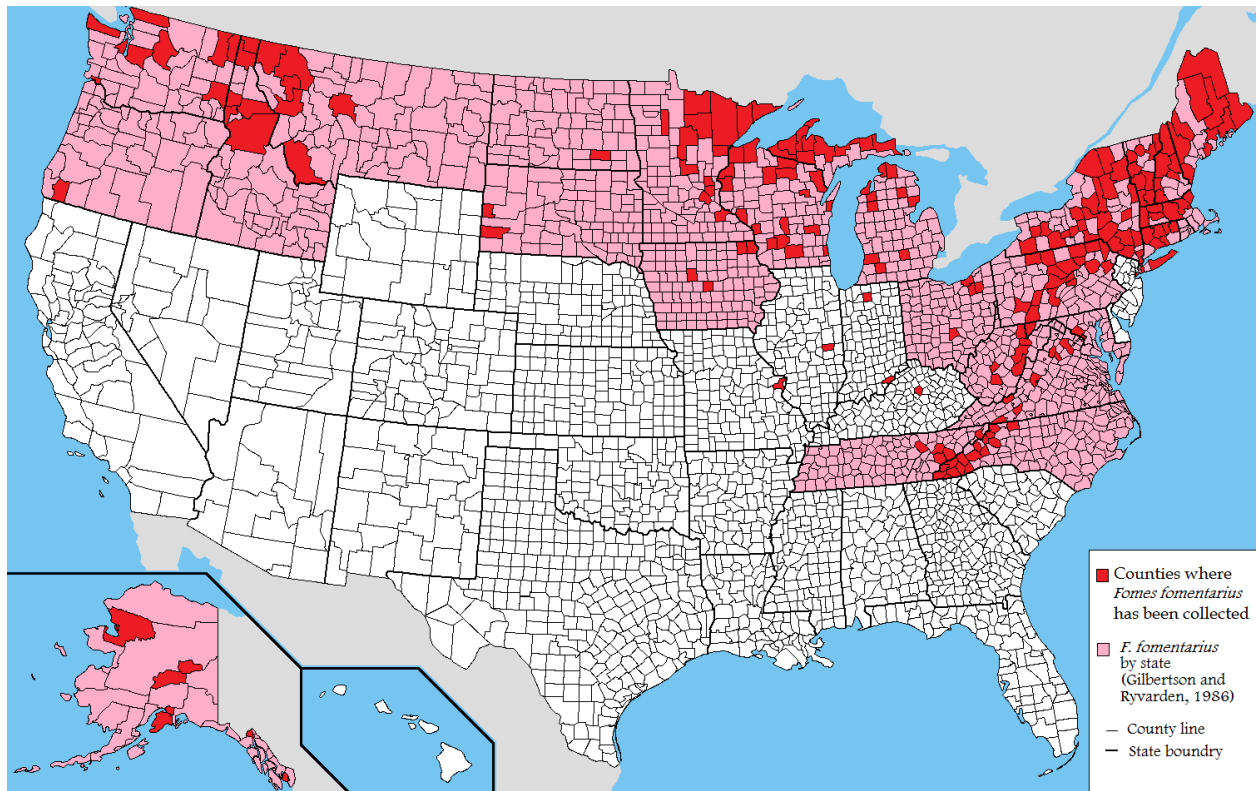


Fig. 2. County distribution of *Fomes fomentarius* in the United States

Table. Herbarium, specimen number, county, state, host species, collector, and year collected for specimens used in this study

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
<i>Fomes fasciatus</i>						
ARIZ	6513	Vermilion Par.	Louisiana	<i>Celtis laevigata</i>	Blackwell M.	1983
ARIZ	6514	Cochise Co.	Arizona	<i>Quercus arizonica</i>	Lowe J. L.; Gilbertson R. L.	NP
ARIZ	9903	Lafourche Par.	Louisiana	<i>Liquidambar styraciflua</i>	Givens F. M.	1983
ARIZ	9906	East Baton Rouge Par.	Louisiana	<i>Quercus nigra</i>	Blackwell M.	1982
ARIZ	9916	East Baton Rouge Par.	Louisiana	<i>Carya illinoensis</i>	Blackwell M.	1983
ARIZ	10186	Alachua Co.	Florida	<i>Carya</i> sp.	Gilbertson R. L.	1985
ARIZ	17125	Vernon Par.	Louisiana	<i>Quercus nigra</i>	Allen C. M.	1986
BPI	229622	NP	Texas	NP	NP	NP
BPI	229625	Harris Co.	Texas	<i>Quercus</i> sp.	Fisher	1918
BPI	229626	Harris Co.	Texas	<i>Quercus</i> sp.	Fisher	NP
BPI	308695	Citrus Co.	Florida	NP	Noble M. A.	NP
BPI	308700	Honolulu Co.	Hawaii	NP	Forbes	NP
BPI	308703	Citrus Co.	Florida	NP	Noble M. A.	NP
BPI	308704	Honolulu Co.	Hawaii	NP	Westgate	NP
BPI	308712	Honolulu Co.	Hawaii	NP	Forbes	NP
BPI	229833	Coosa Co.	Alabama	<i>Quercus alba</i>	Weir J. R.	2005
CFMR	FP-106048-T	NP	Mississippi	<i>Carya</i> sp.	Toole E. R.	1953
CFMR	FP-50332-T	NP	Louisiana	<i>Celtis</i> sp.	Overholts L. O.	1931
CFMR	FP-57054-T	NP	Louisiana	<i>Celtis</i> sp.	Hepting G. H.	1932

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
CFMR	FP-729	NP	Texas	<i>Carya illinoensis</i>	Hedgcock G. G	1909
CFMR	FP-798	NP	Texas	<i>Magnolia grandiflora</i>	Hedgcock G. G	1909
CFMR	FP-90193-T	NP	Georgia	<i>Quercus</i> sp.	Davidson R. W.	1961
CUP	2701	NP	NP	NP (<i>Inga</i> sp.)	NP	NP
CUP	2706	NP	NP	<i>Inga</i> sp.	NP	NP
CUP	15458	Bexar Co.	Texas	<i>Carya illinoensis</i>	Hedgcock G. G	2011
F	89740	Orange Co.	Florida	NP	Schallert P. O.	1955
F	C0068937F	Fort Bend Co.	Texas	NP	Lewis D. P.	2006
F	C0068938F	Hardin Co.	Texas	NP	Lewis D. P.	2008
F	C0068941F	Houston Co.	Texas	NP	Lewis D. P.	2009
F	C0068942F	Hardin Co.	Texas	NP	Lewis D. P.	2008
F	C0068943F	Hardin Co.	Texas	NP	Lewis D. P.	2008
FLAS	F56033	Holmes Co.	Florida	<i>Quercus laurifolia</i>	Tullar S.	1993
NCSC	2680	Brunswick Co.	North Carolina	<i>Persea borbonia</i>	Grand L. F.	2000
NCSC	15962	Robeson Co.	North Carolina	<i>Quercus</i> sp.	West D.	2003
NCSC	16925	Anson Co.	North Carolina	<i>Quercus falcata</i>	Grand L. F.; Vernia C. S.	2004
NCSC	16942	Anson Co.	North Carolina	<i>Quercus falcata</i>	Grand L. F.; Vernia C. S.	2004
NCSC	17591	Robeson Co.	North Carolina	<i>Quercus phellos</i>	Grand L. F.; Vernia C. S.	2007
NY	175406	NP	Florida	NP	Calkins W. W.	1886
NY	560120	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1962

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
NY	560123	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1960
NY	560267	Jefferson Par.	Louisiana	NP	Welden A. L.	1958
NY	560268	Saint John Baptist Par.	Louisiana	<i>Gleditsia aquatica</i>	Ewan J. A.	1957
NY	560269	Saint Martin Par.	Louisiana	NP	Welden A. L.	1956
NY	560270	Martin Co.	Florida	NP	Welden A. L.	1964
NY	575032	Saint Charles Par.	Louisiana	<i>Quercus</i> sp.	Welden A. L.	1956
NY	580455	Orleans Par.	Louisiana	NP	Welden A. L.	1993
PACMA	NP	Bexar Co.	Texas	<i>Carya illinoensis</i>	G. G. H.	1911
TENN	11257	Alachua Co.	Florida	<i>Quercus</i> sp.	West E.	1935
TENN	21515	Tuscaloosa Co.	Alabama	NP	Baker; Crawford	1950
WSP	16831	Alachua Co.	Florida	<i>Quercus</i> sp.	Weber G. F.	1937

Fomes fasciatus* collected as *Elfvigia fasciata

BPI	296998	NP	Florida	NP	Calkins	1907
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Fomes fasciatus* collected as *Fomes fomentarius

BPI	229681	Hillsborough Co.	Florida	NP	Fawcett H. S.	1932
BPI	229812	East Baton Rouge Par.	Louisiana	<i>Carya illinoensis</i>	Humphrey C. J.; Edgerton C. W.	1909
BPI	229835	NP	Alabama	<i>Salix</i> sp.	Weir J. R.	1904
BPI	229987	Coosa Co.	Alabama	<i>Betula lutea</i>	Weir J. R.	1904

Fomes fasciatus* collected as *Fomes marmoratus

BPI	231655	St. Charles Par.	Louisiana	NP	Dybas H.	1944
BPI	231667	Baker Co.	Florida	NP (<i>Quercus virginiana</i>)	Lowe J. L.	1950

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	231670	Baldwin Co.	Alabama	NP	Swingle W. T.	1932
BPI	231673	Harris Co.	Texas	NP	Fisher G. L.	1941
BPI	231675	NP	Florida	NP (<i>Carya</i> sp.)	Calkins W. W.	NP
BPI	231677	NP	Florida	NP (<i>Hicoria</i> sp.)	Calkins W. W.	NP
BPI	231690	St. Landry Par.	Louisiana	NP	Langlois A. B.	1896
BPI	231694	Iberville Par.	Louisiana	NP	Langlois A. B.	1886
BPI	231699	Polk Co.	Florida	NP	McFarmin J. B.	1937
BPI	231700	Randolph Co.	Georgia	NP	Harper R. M.	1903
BPI	231701	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1960
BPI	231702	Coosa Co.	Alabama	<i>Quercus alba</i>	Weir J. R.	1904
BPI	231708	Levy Co.	Florida	NP	Lowe J. L.	1950
BPI	231712	Hernando Co.	Florida	NP	Stevenson J. A.	1920
BPI	231718	Highlands Co.	Florida	NP	Dybas H. S.	1949
BPI	231743	NP	Florida	NP (<i>Nyssa</i> sp.)	Calkins W. W.	NP
BPI	231748	Columbia Co.	Florida	NP	Dybas H. S.	1949
BPI	231759	Hernando Co.	Florida	NP	Stevenson J. A.	1922
BPI	231766	Alachua Co.	Florida	NP	NP	NP
BPI	231768	Levy Co.	Florida	NP	Rhoads A. S.	1954
BPI	231769	Harris Co.	Texas	NP	Miner E. W.	1951
BPI	231773	St. Charles Par.	Louisiana	NP	Dybas H.	1944

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	231774	Alachua Co.	Florida	NP	Rhoads A. S.	1954
BPI	231778	Seminole Co.	Florida	NP	Schallert P. O.	1963
BPI	231780	Orange Co.	Florida	NP	Schallert P. O.	1962
BPI	231782	NP	Florida	NP	Stevenson J. A.	1922
BPI	231787	Baldwin Co.	Alabama	NP	Swingle W. T.	1933
BPI	231792	NP	Tennessee	NP	Weir J. R.	1905
BPI	231806	NP	Florida	NP	Calkins W. W.	1886
BPI	231809	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1955
BPI	231810	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1961
BPI	231811	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1961
BPI	231817	Hernando Co.	Florida	<i>Quercus</i> sp.	Stevenson J. A.	1920
BPI	231820	Alachua Co.	Florida	<i>Celtis laevigata</i>	Cooke W. B.	1954
BPI	231821	Randolph Co.	Georgia	<i>Quercus</i> sp.	Harper R. M.	1903
BPI	231824	Alachua Co.	Florida	<i>Citrus sinensis</i>	Rhoads A. S.	1969
BPI	231825	Marion Co.	Florida	<i>Acer floridanum</i>	Long W. H.	1913
BPI	231827	NP	Florida	<i>Casuarina glauca</i>	Rhoads A. S.	1942
BPI	231828	Harris Co.	Texas	<i>Celtis mississippiensis</i>	Fisher G. L.	1942
BPI	231829	Alachua Co.	Florida	<i>Carya</i> sp.	Long W. H.	1919
BPI	231830	Glynn Co.	Georgia	<i>Carya</i> sp.	Lowe J. L.	1950
BPI	231831	Alachua Co.	Florida	<i>Celtis laevigata</i>	Stevenson J. A.	1954
BPI	231832	Bexar Co.	Texas	<i>Celtis mississippiensis</i>	Long W. H.	1918

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	231833	Oktibbeha Co.	Mississippi	<i>Carya illinoensis</i>	Blain W. L.	1922
BPI	231834	Alachua Co.	Florida	<i>Carya cordifolia</i>	Long W. H.	1914
BPI	231836	Bell Co.	Texas	<i>Carya illinoensis</i>	Wolff S. E.	1930
BPI	231837	Marion Co.	Florida	<i>Fraxinus</i> sp.	Long W. H.	1919
BPI	231839	NP	Georgia	<i>Gordonia lasianthus</i>	Long W. H.	1914
BPI	231840	Bexar Co.	Texas	NP	Long W. H.	1918
BPI	231843	Marion Co.	Florida	<i>Fraxinus</i> sp.	Long W. H.	1913
BPI	231845	Fort Bend Co.	Texas	NP (<i>Ulmus</i> sp.)	Fisher G. L.	1940
BPI	231850	Lake Co.	Florida	NP	Gommes	1915
BPI	231851	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1963
BPI	231852	Darlington Co.	South Carolina	<i>Prunus domestica</i>	Rogers J. T.	1923
BPI	231853	Highlands Co.	Florida	<i>Quercus</i> sp.	Charles V. K.	1939
BPI	231854	Randolph Co.	Georgia	<i>Quercus</i> sp.	Harper R. M.	1903
BPI	231855	Okaloosa Co.	Florida	<i>Magnolia virginiana</i>	Long W. H.	1913
BPI	231856	Randolph Co.	Georgia	<i>Quercus</i> sp.	Harper R. M.	1903
BPI	231857	Hernando Co.	Florida	<i>Quercus</i> sp.	Stevenson J. A.	1920
BPI	231858	Alachua Co.	Florida	<i>Quercus</i> sp.	West E.; Bratley	1926
BPI	231859	Hays Co.	Texas	<i>Quercus</i> sp.	Hayes J. B.	1917
BPI	231860	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1961
BPI	231861	Dodge Co.	Georgia	<i>Magnolia grandiflora</i>	Harper R. M.	1903

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	231862	Miami-Dade Co.	Florida	<i>Magnolia grandiflora</i>	Long W. H.	1919
BPI	231863	Marion Co.	Florida	<i>Quercus virginiana</i>	Parker C. S.	1929
BPI	231864	Alachua Co.	Florida	<i>Quercus</i> sp.	Stevenson J. A.	1954
BPI	231865	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1961
BPI	231866	Alachua Co.	Florida	<i>Quercus laurifolia</i>	Long W. H.	1914
BPI	231867	Alachua Co.	Florida	<i>Quercus nigra</i>	Long W. H.	1919
BPI	231868	Harris Co.	Texas	<i>Quercus nigra</i>	Fisher G. L.	1941
BPI	231869	Hernando Co.	Florida	<i>Ulmus americana</i> (<i>Ulmus campestris</i>)	Kent B. R.	1914
BPI	231870	Harris Co.	Texas	<i>Ulmus americana</i>	Long W. H.	1912
BPI	231871	Marion Co.	Florida	<i>Quercus nigra</i>	Humphrey C. J.	1918
BPI	231872	Hernando Co.	Florida	<i>Quercus virginiana</i>	Long W. H.	1914
BPI	235649	Seminole Co.	Florida	<i>Quercus</i> sp.	Schallert P. O.	1963
BPI	309653	St. Tammy Par.	Louisiana	NP	Langlois A. B.	1897
BPI	309670	Alachua Co.	Florida	NP	Nelson N. L. T.	NP
BPI	309671	Harris Co.	Texas	NP	Fisher G. L.	1916
BPI	309672	Seminole Co.	Florida	NP	Berger E. W.	1907
BPI	309673	Columbia Co.	Florida	NP	Fawcett H. S.	1906
BPI	309674	NP	Florida	NP	Fisher G. C.	NP
BPI	309675	Harris Co.	Texas	NP	Fisher G. L.	1917
BPI	309677	Volusia Co.	Florida	NP	Lloyd C. G.	1897
BPI	309678	Montgomery Co.	Alabama	NP	Burke R. P.	NP

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	309679	Volusia Co.	Florida	NP	Lloyd C. G.	1897
BPI	309680	Harris Co.	Texas	<i>Magnolia</i> sp.	Fisher G. L.	1918
BPI	309683	Bexar Co.	Texas	<i>Carya illinoensis</i>	Hedgcock G. G.	1911
BPI	309685	Duval Co.	Florida	NP	Lloyd C. G.	1913
BPI	309692	Citrus Co.	Florida	NP	Noble M. A.	NP
BPI	309695	St. Martin Par.	Louisiana	NP	Langlois A. B.	NP
BPI	309696	NP	Florida	<i>Carya</i> sp.	Lloyd C. G.	NP
BPI	309697	NP	Florida	NP	Calkins	NP
BPI	309698	NP	Florida	NP	Hitchcock A. S.	1898
BPI	309699	Alachua Co.	Florida	NP	Fawcett H. S.	NP
BPI	309700	Volusia Co.	Florida	<i>Quercus</i> sp.	Lloyd C. G.	1913
BPI	309701	Montgomery Co.	Alabama	NP	Burke R. P.	NP
BPI	309708	Alachua Co.	Florida	NP	Nelson N. L. T.	NP
BPI	309709	Alachua Co.	Florida	NP	Nelson N. L. T.	NP
BPI	309710	Harris Co.	Texas	NP	Fisher G. L.	1917
BPI	309712	NP	Florida	NP	Stevenson W. C. Jr.	NP
BPI	309713	Alachua Co.	Florida	NP	Nelson N. L. T.	NP
BPI	309715	NP	Florida	NP	Calkins	NP
BPI	309717	Washington Co.	Florida	<i>Carya</i> sp.	Pleas C. E.	NP
BPI	757642	Orange Co.	Florida	NP	Schallert P. O.	1953

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
NCU	NP	Alachua Co.	Florida	<i>Betula</i> sp.	Murrill W. A.	NP
<i>Fomes fasciatus</i> collected as <i>Fomes sclerodermeus</i>						
BPI	234428	Baldwin Co.	Alabama	NP	Mcgill M.	1960
BPI	234588	Alachua Co.	Florida	NP	Atkinson G. F.	1918
BPI	234628	Cochise Co.	Arizona	<i>Quercus arizonica</i>	Lowe J. L.; Gilbertson R. L.	1958
BPI	234867	Alachua Co.	Florida	NP	Atkinson G. F.	1918
BPI	234873	Seminole Co.	Florida	NP (<i>Quercus</i> sp.)	Schallert P. O.	1961
BPI	234884	Baldwin Co.	Alabama	NP	Mcgill M.	1960
BPI	235386	Washington Co.	Mississippi	NP	Lentz P. L.	1955
BPI	235388	Washington Co.	Mississippi	NP	Lentz P. L.	1955
BPI	235389	Washington Co.	Mississippi	NP	Lentz P. L.	1955
<i>Fomes fomentarius</i>						
ARIZ	6520	NP	Montana	<i>Betula</i> sp.	Gilbertson R. L.	1950
ARIZ	6521	NP	Montana	<i>Betula</i> sp.	Gilbertson R. L.	NP
ARIZ	9905	Tucker Co.	West Virginia	<i>Betula alleghaniensis</i>	Gilbertson R. L.	1985
ARIZ	9909	Clearwater Co.	Minnesota	<i>Betula papyrifera</i>	Gilbertson R. L.	1970
ARIZ	9915	Haines Boro.	Alaska	<i>Alnus sinuata</i>	Gilbertson R. L.	1969
ARIZ	10378	Piscataquis	Maine	<i>Betula papyrifera</i>	Petersen R. H.; Alexia P. D.	1965
BPI	229557	Douglas Co.	Wisconsin	NP	Gilbert E. M.	1916
BPI	229560	Delaware Co.	New York	NP	Wilson P.	1915
BPI	229561	NP	Michigan	NP	Reed G. M.	1914

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229562	Delaware Co.	New York	NP	Wilson P.	1915
BPI	229566	Gogebic Co.	Michigan	<i>Acer</i> sp.	Bessey E. A.	1919
BPI	229662	Hampshire Co.	Massachusetts	NP	Humphrey J. E.	1891
BPI	229663	Litchfield Co.	Connecticut	NP	Underwood L. M.	1883
BPI	229665	Litchfield Co.	Connecticut	NP	Underwood L. M.	1883
BPI	229666	Onondaga Co.	New York	NP	Cook O. F.	NP
BPI	229672	Ingham Co.	Michigan	NP	Hicks G. H.	1891
BPI	229678	Flathead Co.	Montana	NP	Butler	1909
BPI	229687	Bonner Co.	Idaho	NP	Weir J. R.	1914
BPI	229688	New Haven Co.	Connecticut	NP	Mills B. B.	1956
BPI	229691	Chelan Co.	Washington	<i>Acer macrophyllum</i>	Weir J. R.	1916
BPI	229695	Piscataquis Co.	Maine	<i>Acer rubrum</i>	Ricker P. L.	1905
BPI	229696	Grafton Co.	New Hampshire	<i>Acer saccharum</i>	Spaulding P.	1927
BPI	229697	Clallam Co.	Washington	<i>Alnus oregona</i>	Weir J. R.	1920
BPI	229698	Josephine Co.	Oregon	<i>Alnus oregona</i>	Weir J. R.	1916
BPI	229702	Hancock Co.	Maine	NP	Lunt V.	1935
BPI	229703	Wexford Co.	Michigan	NP	Schrenk H.	1913
BPI	229704	Chippewa Co.	Michigan	NP	Harper E. T.; Harper S. A.	1897
BPI	229708	Queens Co.	New York	NP	Ames F. H.	1908
BPI	229711	Delaware Co.	New York	NP	Wagner D. D.	1926

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229712	Idaho Co.	Idaho	NP	Lowe J. L.; Gilbertson R. L.	1956
BPI	229713	Douglas Co.	Wisconsin	NP	Gilbert E. M.	1916
BPI	229714	Vilas Co.	Wisconsin	NP	Harper R. A.	1910
BPI	229717	Vilas Co.	Wisconsin	NP	Harper R. A.	1910
BPI	229721	Saint Louis Co.	Missouri	NP	Kellerman W. A.	1910
BPI	229722	Tompkins Co.	New York	NP	Wolf F. A.	1910
BPI	229725	Fauquier Co.	Virginia	NP	Bryan C. B.	1921
BPI	229726	Tompkins Co.	New York	NP	Stevenson J. A.	1935
BPI	229727	Somerset Co.	Pennsylvania	NP	Henry L. K.	1958
BPI	229728	Ulster Co.	New York	<i>Betula</i> sp.	Rogers D. P.	1950
BPI	229729	Dane Co.	Wisconsin	<i>Betula</i> sp.	Harper R. A.	1899
BPI	229730	NP	New Hampshire	<i>Betula</i> sp.	Minns M. S.	NP
BPI	229731	Koochiching Co.	Minnesota	<i>Betula</i> sp.	Butler	1909
BPI	229733	NP	Wisconsin	<i>Betula</i> sp.	Nelson N. L. T.	NP
BPI	229739	Albany Co.	New York	<i>Betula</i> sp.	Shear C. L.	1892
BPI	229741	Ulster Co.	New York	<i>Betula</i> sp.	Moldenke H. N.	1939
BPI	229742	Madison Co.	New York	<i>Betula</i> sp.	Maxon W. R.	1906
BPI	229745	Suffolk Co.	Massachusetts	<i>Betula</i> sp.	Blackford E. B.	1921
BPI	229746	NP	NP	<i>Betula</i> sp.	NP	NP
BPI	229747	Penobscot Co.	Maine	<i>Betula alba</i>	Ricker P. L.	1905
BPI	229748	Piscataquis Co.	Maine	<i>Betula alba</i>	Ricker P. L.	1905

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229753	Franklin Co.	Massachusetts	<i>Betula lenta</i>	Eno H. G.	1933
BPI	229754	NP	Maine	<i>Betula lutea</i>	Dana S. F.	1907
BPI	229755	Lamoille Co.	Vermont	<i>Betula lutea</i>	Spaulding P.	1926
BPI	229756	Polk Co.	Wisconsin	<i>Betula lutea</i>	Baker C. F.	1897
BPI	229757	Polk Co.	Wisconsin	<i>Betula lutea</i>	Baker C. F.	1897
BPI	229758	NP	Maine	<i>Betula lutea</i>	Spaulding P.	1926
BPI	229759	Giles Co.	Virginia	<i>Betula lutea</i>	Murrill W. A.	1909
BPI	229760	Franklin Co.	New York	<i>Betula lutea</i>	Spaulding P.	1926
BPI	229761	NP	Maine	<i>Betula lutea</i>	Dana S. F.	1907
BPI	229762	Franklin Co.	New York	<i>Betula lutea</i>	NP	1906
BPI	229763	Franklin Co.	New York	<i>Betula lutea</i>	NP	1906
BPI	229764	Sullivan Co.	Pennsylvania	<i>Betula lutea</i>	McCubbin W. A.	1921
BPI	229765	Washington	District of Columbia	<i>Betula nigra</i>	Weir J. R.	1920
BPI	229766	Marshall Co.	Indiana	<i>Betula nigra</i>	Weir J. R.	1908
BPI	229767	Bonner Co.	Idaho	<i>Betula occidentalis</i>	Weir J. R.	1915
BPI	229768	King Co.	Washington	<i>Betula occidentalis</i>	Weir J. R.	1913
BPI	229770	Ketchikan Gateway Boro.	Alaska	<i>Betula occidentalis</i>	Weir W. C.	NP
BPI	229771	Bonner Co.	Idaho	<i>Betula occidentalis</i>	Weir J. R.	1914
BPI	229772	Whatcom Co.	Washington	<i>Betula occidentalis</i>	Weir J. R.	1916
BPI	229773	Lincoln Co.	Montana	<i>Betula occidentalis</i>	Hughes H. A.	1917

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229775	Cass Co.	Minnesota	<i>Betula papyrifera</i>	Weir J. R.	1912
BPI	229776	Hancock Co.	Maine	<i>Betula papyrifera</i>	Spaulding P.	1946
BPI	229777	Lamoille Co.	Vermont	<i>Betula papyrifera</i>	Spaulding P.	1926
BPI	229778	Morrison Co.	Minnesota	<i>Betula papyrifera</i>	Weir J. R.	1912
BPI	229779	Bonner Co.	Idaho	<i>Betula papyrifera</i>	Stillinger C. R.	1924
BPI	229780	Pend Oreille Co.	Washington	<i>Betula papyrifera</i>	Stillinger C. R.	1925
BPI	229781	Bonner Co.	Idaho	<i>Betula papyrifera</i>	Stillinger C. R.	1924
BPI	229796	Madison Co.	New York	<i>Fagus americana</i>	Maxon W. R.	1906
BPI	229809	Fairfield Co.	Ohio	<i>Fraxinus</i> sp.	Kellerman W. A.	1882
BPI	229810	Fayette Co.	Kentucky	<i>Fraxinus americana</i>	Kellerman W. A.	1882
BPI	229814	NP	California	NP	Edwards S. C.	1900
BPI	229815	Nez Perce Co.	Idaho	<i>Populus alba</i>	Weir J. R.	1914
BPI	229816	Whatcom Co.	Washington	<i>Populus balsamifera</i>	Weir J. R.	1913
BPI	229817	NP	Indiana	<i>Populus deltoides</i>	Weir J. R.	1900
BPI	229822	Piscataquis Co.	Maine	<i>Populus tremuloides</i>	Ricker P. L.	1905
BPI	229823	Hartford Co.	Connecticut	<i>Populus tremuloides</i>	Spaulding P.	1908
BPI	229824	Hartford Co.	Connecticut	<i>Populus tremuloides</i>	Spaulding P.	1908
BPI	229825	Missoula Co.	Montana	<i>Populus tremuloides</i>	NP	1915
BPI	229826	Cascade Co.	Montana	<i>Populus trichocarpa</i>	NP	1912
BPI	229827	Preston Co.	West Virginia	<i>Prunus serotina</i>	Sheldon J. L.	1908
BPI	229828	Preston Co.	West Virginia	<i>Prunus serotina</i>	Sheldon J. L.	1908

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229829	Preston Co.	West Virginia	<i>Prunus serotina</i>	Sheldon J. L.	1908
BPI	229834	Iosco Co.	Michigan	<i>Quercus velutina</i>	Weir J. R.	1912
BPI	229836	NP	Oregon	<i>Umbellularia californica</i>	Weir J. R.	1916
BPI	229842	NP	New York	NP	Sartwell	NP
BPI	229843	Beaverhead Co.	Montana	NP	Gilbertson R. L.	1950
BPI	229845	Oneida Co.	Wisconsin	<i>Betula</i> sp.	Neuman J. J.	NP
BPI	229846	Suffolk Co.	New York	NP	Latham R.	1952
BPI	229849	Hartford Co.	Connecticut	<i>Acer rubrum</i>	Eno H. G.	1936
BPI	229850	Onondaga Co.	New York	NP	Cook O. F.	1890
BPI	229852	Tompkins Co.	New York	NP	Thom C.	1902
BPI	229853	Grafton Co.	New Hampshire	<i>Acer rubrum</i>	Eno H. G.	1932
BPI	229855	Essex Co.	New York	<i>Acer rubrum</i>	Hansbrough J. R.	1932
BPI	229860	NP	Alaska	<i>Betula</i> sp.	Trelease W.	1899
BPI	229862	Middlesex Co.	Massachusetts	<i>Betula</i> sp.	Rorer	1901
BPI	229863	Bennington Co.	Vermont	<i>Acer saccharum</i>	Hansbrough J. R.	1939
BPI	229864	Oxford Co.	Maine	<i>Acer saccharum</i>	Eno H. G.	1933
BPI	229865	Grafton Co.	New Hampshire	<i>Acer saccharum</i>	Eno H. G.	1932
BPI	229867	NP	Minnesota	<i>Betula</i> sp.	Bailey H. E.	1933
BPI	229869	Madison Co.	New York	<i>Betula</i> sp.	Maxon W. R.	1906
BPI	229870	Westchester Co.	New York	<i>Betula</i> sp.	Wilson P.	1915

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229872	NP	Maine	<i>Alnus incana</i>	Spaulding P.	1940
BPI	229873	Grafton Co.	New Hampshire	<i>Alnus incana</i>	Spaulding P.	1932
BPI	229875	Bronx Co.	New York	<i>Betula</i> sp.	Overholts L. O. Eno H. G.; Hansbrough J. R.	NP
BPI	229876	Cheshire Co.	New Hampshire	<i>Acer saccharum</i>	R.	1935
BPI	229878	Kewaunee Co.	Wisconsin	<i>Betula alba</i>	Ziemer A.	1950
BPI	229879	Westchester Co.	New York	<i>Acer saccharum</i>	Hansbrough J. R.	1947
BPI	229880	Windsor Co.	Vermont	<i>Betula alba</i> var. <i>papyrifera</i>	Spaulding P.	1932
BPI	229881	Essex Co.	Vermont	<i>Alnus incana</i>	Spaulding P.	1934
BPI	229882	Grafton Co.	New Hampshire	<i>Betula alba</i> var. <i>papyrifera</i>	Eno H. G.	1932
BPI	229883	Franklin Co.	Massachusetts	<i>Acer saccharum</i>	Eno H. G.	1933
BPI	229884	Rutland Co.	Vermont	<i>Acer saccharum</i>	Hansbrough J. R.	1939
BPI	229885	Coos Co.	New Hampshire	<i>Alnus incana</i>	Spaulding P.	1946
BPI	229886	NP	Wisconsin	<i>Alnus tenuifolia</i>	Neuman J. J.	NP
BPI	229888	NP	Wisconsin	NP	Reed G. M.	1906
BPI	229891	Emmet Co.	Michigan	<i>Acer</i> sp.	McKnight K. H.	1969
BPI	229892	Delaware Co.	New York	<i>Acer saccharum</i>	Wilson P.	1915
BPI	229893	Hartford Co.	Connecticut	NP	Hanmer C. C.	1904
BPI	229894	Middlesex Co.	Connecticut	NP	Hanmer C. C.	1907
BPI	229895	Middlesex Co.	Massachusetts	<i>Acer saccharum</i>	Stevenson J. A.	1961
BPI	229896	Litchfield Co.	Connecticut	NP	Clinton G. P.	1919
BPI	229897	NP	Massachusetts	NP	Clinton G. P.; McDonnell A. D.	1932

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229898	Litchfield Co.	Connecticut	NP	Clinton G. P.	1918
BPI	229899	Litchfield Co.	Connecticut	NP	McDonnell A. D.	1928
BPI	229900	Allegan Co.	Michigan	NP	Baker N.	1967
BPI	229901	Grafton Co.	New Hampshire	<i>Betula</i> sp.	Wilson P.	1917
BPI	229902	Sullivan Co.	New York	<i>Betula</i> sp.	Wilson P.	1918
BPI	229903	Monroe Co.	Pennsylvania	<i>Betula</i> sp.	Stifler C. B.	1932
BPI	229904	Delaware Co.	New York	<i>Betula</i> sp.	Wilson P.	1915
BPI	229905	Madison Co.	New York	<i>Betula</i> sp.	Maxon W. R.	1905
BPI	229906	Westchester Co.	New York	<i>Betula</i> sp.	Wilson P.	1917
BPI	229907	Delaware Co.	New York	<i>Betula</i> sp.	Wilson P.	1915
BPI	229908	Westchester Co.	New York	<i>Betula</i> sp.	Wilson P.	1915
BPI	229909	Vilas Co.	Wisconsin	<i>Betula</i> sp.	Barber H. S.	1907
BPI	229911	Cheboygan Co.	Michigan	<i>Betula</i> sp.	Dublin M. V. C.	1961
BPI	229913	Clearwater Co.	Idaho	<i>Betula</i> sp.	Diettert R. A.	1933
BPI	229914	Monroe Co.	Pennsylvania	<i>Betula</i> sp.	Stifler C. B.	1930
BPI	229915	Franklin Co.	Massachusetts	<i>Betula alba</i>	Clinton G. P.	1915
BPI	229916	Coos Co.	New Hampshire	<i>Betula</i> sp.	Sargent G. W.	1930
BPI	229918	La Crosse Co.	Wisconsin	<i>Betula</i> sp.	Neuman J. J.	NP
BPI	229921	Delaware Co.	New York	<i>Betula</i> sp.	Jenkins A. E.; Jenkins K.	1922
BPI	229922	NP	Wisconsin	<i>Betula</i> sp.	Harper R. A.	1899

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229923	Cass Co.	Minnesota	<i>Betula</i> sp.	Stevenson J. A.	1961
BPI	229924	NP	Wisconsin	<i>Betula</i> sp.	NP	NP
BPI	229927	Sevier Co.	Tennessee	<i>Betula</i> sp.	Rice R. R.	1934
BPI	229930	Grafton Co.	New Hampshire	<i>Betula</i> sp.	Wilson P.	1917
BPI	229931	York Co.	Maine	<i>Betula</i> sp.	Pier Amy M.	1915
BPI	229932	Albany Co.	New York	<i>Betula</i> sp.	Shear C. L.	1925
BPI	229934	Montgomery Co.	Maryland	<i>Betula</i> sp.	Parker C. S.	1929
BPI	229935	Wyoming Co.	New York	<i>Betula</i> sp.	Ames F. H.	1915
BPI	229937	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Clinton G. P.	1929
BPI	229938	Litchfield Co.	Connecticut	<i>Betula lutea</i>	Clinton G. P.	1916
BPI	229939	Tolland Co.	Connecticut	<i>Betula</i> sp.	Clinton G. P.	1915
BPI	229940	Gogebic Co.	Michigan	<i>Betula lutea</i>	Bessey E. A.	1919
BPI	229941	Middlesex Co.	Connecticut	<i>Betula lutea</i>	McDonnell A. D.	1933
BPI	229942	Carter Co.	Tennessee	<i>Betula alleghaniensis</i>	Hesler L. R.	1935
BPI	229944	Westchester Co.	New York	<i>Betula alleghaniensis</i>	Wilson P.	1914
BPI	229945	Gogebic Co.	Michigan	<i>Betula alba</i>	Bessey E. A.	1919
BPI	229946	NP	New Hampshire	NP	Minns M. S.	1907
BPI	229947	Orange Co.	New York	<i>Betula alba</i>	Stevenson J. A.	1952
BPI	229949	Marshall Co.	Indiana	<i>Betula lutea</i>	Weir J. R.	1908
BPI	229950	Hancock Co.	Maine	<i>Betula lutea</i>	Morse E. E.	NP
BPI	229951	Middlesex Co.	Massachusetts	<i>Betula lutea</i>	Pammel L. H.	1886

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229952	NP	Michigan	<i>Betula lutea</i>	Reed G. M.	1914
BPI	229953	Gogebic Co.	Michigan	<i>Betula lutea</i>	Bessey E. A.	1919
BPI	229957	Delaware Co.	New York	<i>Betula lutea</i>	Reed G. M.	1943
BPI	229958	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Clinton G. P.; Norton	1928
BPI	229959	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Cooke W. B.; Cooke V. G.	1945
BPI	229960	Onondaga Co.	New York	<i>Betula lutea</i>	Povah A. H. W.	1919
BPI	229961	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Cooke W. B.; Cooke V. G.	1945
BPI	229963	Litchfield Co.	Connecticut	<i>Betula lutea</i>	McDonnell A. D.	1926
BPI	229965	Franklin Co.	Massachusetts	<i>Betula lenta</i>	Eno H. G.	1933
BPI	229968	Grafton Co.	New Hampshire	<i>Betula lenta</i>	Hansbrough J. R.	1928
BPI	229969	Hancock Co.	Maine	<i>Betula lutea</i>	Hansbrough J. R.	1945
BPI	229970	Oxford Co.	Maine	<i>Betula lutea</i>	Eno H. G.	1933
BPI	229971	Litchfield Co.	Connecticut	<i>Betula lutea</i>	Pearson L. E.	1935
BPI	229972	Grafton Co.	New Hampshire	<i>Betula lutea</i>	Spaulding P.	1946
BPI	229973	Tolland Co.	Connecticut	<i>Betula lutea</i>	Graff P. W.	1915
BPI	229974	Franklin Co.	Massachusetts	<i>Betula lutea</i>	Eno H. G.	1933
BPI	229975	Coos Co.	New Hampshire	<i>Betula lutea</i>	Spaulding P.	1932
BPI	229976	Rutland Co.	Vermont	<i>Betula lutea</i>	Spaulding P.	1930
BPI	229977	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Hansbrough J. R.	1928
BPI	229978	Franklin Co.	New York	<i>Betula lutea</i>	Spaulding P.	1906

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	229980	Portage Co.	Ohio	<i>Betula lutea</i>	Davey M. L.	1925
BPI	229982	Bennington Co.	Vermont	<i>Betula lutea</i>	Hansbrough J. R.	1933
BPI	229983	Windsor Co.	Vermont	<i>Betula lutea</i>	Eno H. G.	1932
BPI	229984	Essex Co.	Vermont	<i>Betula lutea</i>	Spaulding P.	1926
BPI	229985	NP	Vermont	<i>Betula lutea</i>	Spaulding A. B.	1930
BPI	229989	Bonner Co.	Idaho	<i>Betula occidentalis</i>	Weir J. R.	1915
BPI	229990	NP	Indiana	<i>Betula nigra</i>	Weir J. R.	1900
BPI	229992	Bonner Co.	Idaho	<i>Betula occidentalis</i>	Weir J. R.	1920
BPI	229993	Washington	District of Columbia	<i>Betula nigra</i>	Weir J. R.	1920
BPI	229995	Pend Oreille Co.	Washington	<i>Betula occidentalis</i>	Rhoads A. S.	1920
BPI	229996	Windsor Co.	Vermont	<i>Betula papyrifera</i>	Spaulding P.	1927
BPI	229998	Bonner Co.	Idaho	<i>Betula papyrifera</i>	Rhoads A. S.	1920
BPI	229999	Grafton Co.	New Hampshire	<i>Betula papyrifera</i>	Spaulding P.	1946
BPI	230000	Essex Co.	New York	<i>Betula papyrifera</i>	Hansbrough J. R.	1928
BPI	230001	Lincoln Co.	Montana	<i>Betula occidentalis</i>	Weir J. R.	1916
BPI	230002	Aroostook Co.	Maine	<i>Betula papyrifera</i>	Schrenk H. V.	1899
BPI	230003	Washington	District of Columbia	<i>Betula nigra</i>	Weir J. R.	1920
BPI	230004	NP	Wisconsin	<i>Betula nigra</i>	Harper	1909
BPI	230005	Morrison Co.	Minnesota	<i>Betula papyrifera</i>	Weir J. R.	1912
BPI	230006	Bonner Co.	Idaho	<i>Betula occidentalis</i>	Shattuck C. H.	1917
BPI	230007	Grafton Co.	New Hampshire	<i>Betula papyrifera</i>	Spaulding P.	1927

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	230008	Windsor Co.	Vermont	<i>Betula papyrifera</i>	Spaulding P.	1930
BPI	230009	Oxford Co.	Maine	<i>Betula papyrifera</i>	Spaulding P.	1927
BPI	230010	Hartford Co.	Connecticut	<i>Betula papyrifera</i>	Eno H. G.	1931
BPI	230013	NP	Massachusetts	<i>Betula papyrifera</i>	Eno H. G.	1933
BPI	230014	NP	Indiana	<i>Betula papyrifera</i>	Weir J. R.	1901
BPI	230017	NP	Wisconsin	<i>Betula papyrifera</i>	Hubert E. E.	1921
BPI	230019	Custer Co.	South Dakota	<i>Betula papyrifera</i>	Weir J. R.	1918
BPI	230020	Polk Co.	Wisconsin	<i>Betula papyrifera</i>	Baker C. F.	1897
BPI	230021	Wyoming Co.	New York	<i>Betula papyrifera</i>	Ames F. H.	1914
BPI	230022	Pend Oreille Co.	Washington	<i>Betula papyrifera</i>	Cooke W. B.; Cooke V. G.	1950
BPI	230023	Allamakee Co.	Iowa	<i>Betula papyrifera</i>	Fitzpatrick T. J.	1908
BPI	230024	Fairbanks North Star Boro.	Alaska	<i>Betula papyrifera</i>	Kimney J. W.; Fowler M. E.	1952
BPI	230025	Cheboygan Co.	Michigan	<i>Betula papyrifera</i>	Reed G. M.	1915
BPI	230026	Buffalo Co.	Wisconsin	<i>Betula papyrifera</i>	Trelease W.	NP
BPI	230027	Hampshire Co.	Massachusetts	<i>Betula papyrifera</i>	Hansbrough J. R.; Spaulding P.	1928
BPI	230028	Litchfield Co.	Connecticut	<i>Betula papyrifera</i>	Clinton G. P.	1928
BPI	230029	Menominee Co.	Wisconsin	<i>Betula papyrifera</i>	Hubert E. E.	1922
BPI	230030	Aroostook Co.	Maine	<i>Betula populifolia</i>	Schrenk H. V.	1899
BPI	230031	Hampshire Co.	Massachusetts	<i>Betula populifolia</i>	Hansbrough J. R.	1928
BPI	230032	Carroll Co.	New Hampshire	<i>Betula populifolia</i>	Eno H. G.	1932

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	230034	Madison Co.	Virginia	<i>Betula lenta</i>	Stevenson J. A.	1936
BPI	230037	Page Co.	Virginia	<i>Betula</i> sp.	Stevenson J. A.	1937
BPI	230038	Gogebic Co.	Michigan	<i>Betula lutea</i>	Bessey E. A.	1919
BPI	230039	NP	Michigan	NP	Dublin M. V. C.	1961
BPI	230041	NP	New York	<i>Betula lutea</i>	Clinton G. P.	1916
BPI	230043	Windham Co.	Connecticut	<i>Betula</i> sp.	McDonnell A. D.	1929
BPI	230044	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Skillinger; Marshall	1926
BPI	230045	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Norton N. A.	1928
BPI	230046	Franklin Co.	Massachusetts	<i>Acer</i> sp.	Clinton G. P.	1915
BPI	230047	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Clinton G. P.	1929
BPI	230051	St. Lawrence Co.	New York	<i>Fagus grandifolia</i>	Eno H. G.	1940
BPI	230052	Washington Co.	Maine	<i>Fagus grandifolia</i>	Hansbrough J. R.	1934
BPI	230053	Berkshire Co.	Massachusetts	<i>Fagus grandifolia</i>	Grant T. J. Hansbrough J. R.; Marshall R.	1934
BPI	230054	NP	New York	<i>Fagus grandifolia</i>	P.; Spaulding P.	1945
BPI	230055	Essex Co.	New York	<i>Fagus grandifolia</i>	Hansbrough J. R.	1932
BPI	230059	Windham Co.	Vermont	<i>Carpinus caroliniana</i>	Hansbrough J. R.; Spaulding P.	1946
BPI	230060	Delaware Co.	New York	<i>Fagus grandifolia</i>	Eno H. G.	1941
BPI	230063	Washington Co.	Maine	<i>Fagus grandifolia</i>	Hansbrough J. R.	1934
BPI	230064	Franklin Co.	Massachusetts	<i>Fagus grandifolia</i>	Skellanger L. E.	1927
BPI	230065	Carroll Co.	New Hampshire	<i>Fagus grandifolia</i>	Eno H. G.	1933
BPI	230066	Portage Co.	Ohio	<i>Fagus americana</i>	Davey M. L.	1925

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	230067	Hancock Co.	Maine	<i>Fagus grandifolia</i>	Spaulding P.	1946
BPI	230068	Penobscot Co.	Maine	<i>Fraxinus nigra</i>	Hansbrough J. R.	1940
BPI	230070	Carroll Co.	New Hampshire	<i>Salix</i> sp.	Eno H. G.	1932
BPI	230072	Franklin Co.	Maine	<i>Populus tremuloides</i>	Hansbrough J. R.	1940
BPI	230073	Franklin Co.	New York	<i>Populus grandidentata</i>	Hansbrough J. R.	1932
BPI	230074	Windsor Co.	Vermont	<i>Populus grandidentata</i>	Spaulding P.	1929
BPI	230075	Windsor Co.	Vermont	<i>Ulmus americana</i>	Spaulding P.	1946
BPI	230077	Windsor Co.	Vermont	<i>Populus</i> sp.	Clinton G. P.	1926
BPI	230078	Litchfield Co.	Connecticut	<i>Populus grandidentata</i>	Clinton G. P.	1926
BPI	230080	Cheshire Co.	New Hampshire	<i>Betula populifolia</i>	McDonnell A. D.	1926
BPI	230081	Tolland Co.	Connecticut	<i>Betula populifolia</i>	McDonnell A. D.	1927
BPI	230082	NP	Michigan	<i>Fagus grandifolia</i>	Reed G. M.	1914
BPI	230084	Grafton Co.	New Hampshire	<i>Fagus grandifolia</i>	Wilson P.	1917
BPI	230085	York Co.	Maine	<i>Betula populifolia</i>	Pier Amy M.	1916
BPI	230086	Sevier Co.	Tennessee	<i>Fagus</i> sp.	Wolf F. A.	1939
BPI	230087	Delaware Co.	New York	<i>Fagus americana</i>	Jenkins A. E.; Jenkins K.	1922
BPI	230088	Queens Co.	New York	<i>Betula populifolia</i>	Reed G. M.	1916
BPI	230089	Cheshire Co.	New Hampshire	<i>Fagus grandifolia</i>	Hansbrough J. R.	1928
BPI	230091	Penobscot Co.	Maine	<i>Betula populifolia</i>	Steinmetz F. H.	1936
BPI	230150	Delaware Co.	New York	<i>Populus grandidentata</i>	Wilson P.	1915

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	230151	Clark Co.	Indiana	<i>Populus deltoides</i>	Weir J. R.	1907
BPI	230155	NP	Oregon	<i>Prunus domestica</i>	Fisher D. F.	1919
BPI	230156	Grafton Co.	New Hampshire	<i>Populus</i> sp.	Wilson P.	1917
BPI	235600	Hancock Co.	Maine	NP	Morse E. E.; Brower A. E.	1935
BPI	308426	Dutchess Co.	New York	NP	Gerard W. R.	NP
BPI	308760	Sullivan Co.	New Hampshire	NP	Wilson C. S.	1926
BPI	308763	Middlesex Co.	Massachusetts	NP	Morris G. E.	NP
BPI	308765	Milwaukee Co.	Wisconsin	NP	Brown C. E.	NP
BPI	308766	Middlesex Co.	Massachusetts	NP	Morris G. E.	NP
BPI	308767	Grafton Co.	New Hampshire	NP	Warner H. E.	NP
BPI	308768	Washington Co.	New York	NP	Dobbin F.	NP
BPI	308769	Saint Louis Co.	Minnesota	NP	Stocker S. M.	NP
BPI	308770	NP	Michigan	<i>Fagus</i> sp.	Beardslee H. C.	NP
BPI	308771	Buncombe Co.	North Carolina	NP	Beardslee H. C.	1918
BPI	308772	Hennepin Co.	Minnesota	NP	Hone D. M.	NP
BPI	308777	Sullivan Co.	New Hampshire	NP	Walker K. A. J.	NP
BPI	308785	NP	Wisconsin	NP	Denniston R. H.	NP
BPI	308786	Lamoure Co.	North Dakota	NP	Brenckle J. F.	1907
BPI	308789	Suffolk Co.	Massachusetts	NP	Butler A. L.	NP
BPI	308790	Cheshire Co.	New Hampshire	NP	Minns M. S.	1883
BPI	308796	Preston Co.	West Virginia	NP	Lloyd C. G.	1902

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	308801	Grafton Co.	New Hampshire	NP	Warner H. E.	NP
BPI	308802	Oscoda Co.	Michigan	NP	Lloyd C. G.	1902
BPI	308803	Addison Co.	Vermont	NP	Burt E. A.	1897
BPI	308804	Addison Co.	Vermont	NP	Burt E. A.	NP
BPI	308809	Tompkins Co.	New York	<i>Fagus</i> sp.	Edgerton C. W.	1905
BPI	308810	Addison Co.	Vermont	NP	Lloyd C. G.	1910
BPI	308812	Buncombe Co.	North Carolina	NP	Beardslee H. C.	NP
BPI	308815	Richmond Co.	New York	NP	Edwards S. C.	NP
BPI	308817	Middlesex Co.	Massachusetts	NP	Morris G. E.	1911
BPI	308818	Whatcom Co.	Washington	<i>Betula</i> sp.	Muenschner W. C.	1919
BPI	308820	NP	New Hampshire	<i>Betula</i> sp.	Sargent F. L.	NP
BPI	308821	Cuyahoga Co.	Ohio	NP	Bubna M.	NP
BPI	308822	NP	Maine	NP	White	NP
BPI	308824	Essex Co.	Massachusetts	NP	Huntington J. W.	NP
BPI	308825	Summit Co.	Ohio	NP	Smith G. D.	NP
BPI	308826	Suffolk Co.	Massachusetts	NP	Blackford E. B.	1914
BPI	308827	Bronx Co.	New York	NP	Ballou W. H.	NP
BPI	308828	Worcester Co.	Massachusetts	NP	Smith T. L.	NP
BPI	308829	Preston Co.	West Virginia	NP	Lloyd C. G.	1915
BPI	308830	Sullivan Co.	New Hampshire	NP	Jones K. A.	NP

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	308831	Suffolk Co.	Massachusetts	NP	Weis D. W.	NP
BPI	308832	Webster Co.	Iowa	NP	Oleson O. M.	NP
BPI	308834	Sullivan Co.	New Hampshire	NP	Jones K. A.	NP
BPI	308835	Washington	District of Columbia	NP	Griffiths D.	NP
BPI	308836	Washington	District of Columbia	NP	Griffiths D.	NP
BPI	308848	Emmet Co.	Michigan	NP	Gehman J.	NP
BPI	308850	Grafton Co.	New Hampshire	NP	Riddle L. W.	1906
BPI	308853	Preston Co.	West Virginia	NP	Lloyd C. G.	1914
BPI	308855	Chittenden Co.	Vermont	NP	Griffin D. B.	NP
BPI	308858	NP	West Virginia	NP	Kellerman W. A.	NP
BPI	308860	NP	New York	NP	Ames F. H.	NP
BPI	308867	Broome Co.	New York	NP	Clute W. N.	NP
BPI	308869	Knox Co.	Tennessee	NP	Hesler L. R.	NP
BPI	308870	Washington	District of Columbia	<i>Betula nigra</i>	Weir J. R.	1920
BPI	308871	NP	Ohio	NP	Leeper B.	NP
BPI	308873	Suffolk Co.	Massachusetts	NP	Blackford E. B.	NP
BPI	308875	NP	New York	NP	Knaebel E.	NP
BPI	348099	Hartford Co.	Connecticut	<i>Acer rubrum</i>	Eno H. G.	1936
BPI	348506	Fayette Co.	West Virginia	NP	Nuttall L. W.	NP
BPI	891954	Saint Louis Co.	Minnesota	<i>Betula</i> sp.	Stocker S. M.	1915
BPI	891956	Richland Co.	Wisconsin	<i>Fagus atropunicea</i>	Gravatt G. F.	1920

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	891959	Carroll Co.	New Hampshire	<i>Betula lutea</i>	Spaulding L. O.	1918
BPI	891961	Centre Co.	Pennsylvania	<i>Betula lenta</i>	Overholts L. O.	1919
BPI	891962	Onondaga Co.	New York	<i>Betula</i> sp.	Rhoads A. S.	1915
BPI	891965	Luzerne Co.	Pennsylvania	<i>Fagus grandifolia</i>	Campbell L. O.	1934
BPI	891971	Hampshire Co.	Massachusetts	<i>Betula</i> sp.	Anderson P. J.	1916
BPI	891972	Bronx Co.	New York	<i>Betula</i> sp.	NP	NP
BPI	891976	Iosco Co.	Michigan	<i>Betula papyrifera</i>	Weir J. R.	1912
BPI	891977	Carroll Co.	New Hampshire	<i>Betula</i> sp.	Overholts L. O.	1918
BPI	891978	Bradford Co.	Pennsylvania	<i>Betula</i> sp.	Campbell W. A.	1934
BPI	891982	Grafton Co.	New Hampshire	<i>Betula papyrifera</i>	Overholts L. O.	1937
BPI	891983	Knox Co.	Tennessee	NP	Hesler L. R.	1926
BPI	891984	Caledonia Co.	Vermont	<i>Acer saccharum</i>	Orton C. R.	1913
BPI	891986	Lawrence Co.	South Dakota	<i>Betula</i> sp.	Overholts L. O.	1926
BPI	891987	Huntingdon Co.	Pennsylvania	<i>Betula alleghaniensis</i>	Overholts L. O.	1920
BPI	891988	Carlton Co.	Minnesota	<i>Betula papyrifera</i>	Christensen C.	1934
BPI	891989	Sullivan Co.	Pennsylvania	<i>Fagus grandifolia</i>	Campbell L. O.	1934
BPI	891991	Huntingdon Co.	Pennsylvania	<i>Populus grandidentata</i>	Overholts L. O.	1931
BPI	891995	Huntingdon Co.	Pennsylvania	<i>Betula papyrifera</i>	Overholts L. O.	1933
BPI	891996	Middlesex Co.	Massachusetts	<i>Betula</i> sp.	Jones H. L.	1893
BPI	891997	Carlton Co.	Minnesota	<i>Populus tremuloides</i>	Christensen C.	1934

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
BPI	892000	Snyder Co.	Pennsylvania	<i>Betula lutea</i>	Overholts L. O.	1933
BPI	1E+06	Pocahontas Co.	West Virginia	<i>Betula lenta</i>	Bills G.; Cotter V.	1983
BPI	1E+06	Northwest Arctic Boro.	Alaska	<i>Betula papyrifera</i>	Shetler S. G.; Shetler E. R.	1963
BPI	1E+06	Northwest Arctic Boro.	Alaska	<i>Betula papyrifera</i>	NP	1963
BPI	1E+06	Livingston Co.	New York	<i>Ulmus americana</i>	Bassett D.	1990
BPI	1E+06	Wyoming Co.	New York	<i>Carpinus caroliniana</i>	Bassett D.	1990
BPI	229683	Winneshiek Co.	Iowa	NP	Holway E. W.	NP
BPI	871256	Knox Co.	Tennessee	NP	Hesler L. R.	1926
CFMR	CFMR-12834	Franklin Co.	New York	<i>Betula lutea</i>	Spaulding P.	1906
CFMR	DL96-187	Gogebic Co.	Michigan	<i>Betula alleghaniensis</i>	Lindner D. L.	1996
CFMR	FP-100947-Sp	Carlton Co.	Minnesota	<i>Betula papyrifera</i>	Lombard F. F.	1972
CFMR	FP-100948	Carlton Co.	Minnesota	NP (<i>Populus</i> sp.)	Cooke W. B.	1972
CFMR	FP-101440	Oneida Co.	Wisconsin	<i>Betula papyrifera</i>	Lombard F. F.; Payne R. G.	1973
CFMR	FP-102302-Sp	Fairbanks North Star Boro.	Alaska	<i>Betula</i> sp.	Dorworth E.	1986
CFMR	FP-102469	Sauk Co.	Wisconsin	<i>Betula alleghaniensis</i>	Volk T. J.	1990
CFMR	FP-11010	NP	Idaho	<i>Betula occidentalis</i>	Hedgcock G. G.; Weir J. R.	1911
CFMR	FP-1113	NP	Maine	<i>Betula populifolia</i>	Dana J. T.	1909
CFMR	FP-11430	Lincoln Co.	Montana	<i>Betula fontinalis</i>	Weir J. R.	1911
CFMR	FP-115	Hartford Co.	Connecticut	<i>Populus</i> sp.	Spaulding P.	1908
CFMR	FP-125025-T	Belknap Co.	New Hampshire	<i>Acer saccharum</i>	Shigo A. L.	1962
CFMR	FP-148	NP	Maine	<i>Betula lutea</i>	Dana	1907

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
CFMR	FP-15064	Tompkins Co.	New York	NP	Ames C. A.	1913
CFMR	FP-15252	Clinton Co.	Pennsylvania	<i>Betula lutea</i>	Muller M. E.	1914
CFMR	FP-15493	Pocahontas Co.	West Virginia	<i>Betula nigra</i>	Hedgcock G. G.	1914
CFMR	FP-155	Franklin Co.	New York	<i>Betula lutea</i>	Spaulding P.	1906
CFMR	FP-15813	Custer Co.	South Dakota	<i>Betula papyrifera</i>	Hedgcock G. G.	1914
CFMR	FP-15814	Custer Co.	South Dakota	<i>Populus tremuloides</i>	Hedgcock G. G.	1914
CFMR	FP-17024	Rockbridge Co.	Virginia	<i>Betula nigra</i>	Rogers J. T.	1914
CFMR	FP-17215	Ulster Co.	New York	<i>Betula lutea</i>	Ames C. A.	1913
CFMR	FP-18069-a	Cass Co.	Minnesota	<i>Populus grandidentata</i>	Pierce R. G.	1915
CFMR	FP-20339	Centre Co.	Pennsylvania	<i>Betula lutea</i>	Orton; Rhoads	1914
CFMR	FP-2129	Cattaraugus Co.	New York	<i>Fagus atropunicea</i>	Spaulding P.	1910
CFMR	FP-2314	Coos Co.	New Hampshire	<i>Betula papyrifera</i>	Spaulding P.	1910
CFMR	FP-2322	Coos Co.	New Hampshire	<i>Betula papyrifera</i>	Spaulding P.	1910
CFMR	FP-2327	Coos Co.	New Hampshire	<i>Acer saccharum</i>	Spaulding P.	1910
CFMR	FP-2441	Windsor Co.	Vermont	<i>Prunus serotina</i>	Spaulding P.	1916
CFMR	FP-2534	Hartford Co.	Connecticut	<i>Betula nigra</i>	Spaulding P.	1912
CFMR	FP-2563	Windsor Co.	Vermont	<i>Betula lutea</i>	Spaulding P.	1912
CFMR	FP-2576	Windsor Co.	Vermont	<i>Fagus atropunicea</i>	Spaulding P.	1914
CFMR	FP-2699	Vilas Co.	Wisconsin	<i>Betula papyrifera</i>	Spaulding P.	1915
CFMR	FP-2700	Windsor Co.	Vermont	<i>Acer saccharum</i>	Spaulding P.	1912

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
CFMR	FP-2798	Windsor Co.	Vermont	<i>Betula papyrifera</i>	Spaulding P.	1913
CFMR	FP-28070	Menominee Co.	Wisconsin	<i>Betula papyrifera</i>	Honey E. E.	1933
CFMR	FP-3244	Clay Co.	West Virginia	<i>Betula nigra</i>	Hedgcock G. G.	1926
CFMR	FP-33430	Coos Co.	New Hampshire	<i>Betula alba</i>	Long W. H.	1925
CFMR	FP-3543	NP	North Carolina	<i>Betula lutea</i>	Graves A. H.	1910
CFMR	FP-3683	Transylvania Co.	North Carolina	<i>Tsuga canadensis</i>	Graves A. H.	1910
CFMR	FP-38069	NP	West Virginia	<i>Fagus atropunicea</i>	Gravatt G. F.	1920
CFMR	FP-39274	Dane Co.	Wisconsin	<i>Betula</i> sp.	Owens C. E.	1929
CFMR	FP-39685	Lincoln Co.	Montana	<i>Betula occidentalis</i>	Honey E. E.	1919
CFMR	FP-4079	Clearwater Co.	Minnesota	<i>Betula papyrifera</i>	Hedgcock G. G.; Freeman	1910
CFMR	FP-4158	Clearwater Co.	Minnesota	<i>Populus tremuloides</i>	Hedgcock G. G.	1910
CFMR	FP-4168	Cass Co.	Minnesota	<i>Betula papyrifera</i>	Hedgcock G. G.	1910
CFMR	FP-4187	Cass Co.	Minnesota	<i>Populus tremuloides</i>	Hedgcock G. G.	1910
CFMR	FP-4390	NP	Montana	<i>Betula papyrifera</i>	Hedgcock G. G.	1910
CFMR	FP-4397	Bonner Co.	Idaho	<i>Betula papyrifera</i>	Hedgcock G. G.	1910
CFMR	FP-4607	Flathead Co.	Montana	<i>Populus tremuloides</i>	Hedgcock G. G.	1910
CFMR	FP-4623	Flathead Co.	Montana	<i>Populus trichocarpa</i>	Hedgcock G. G.	1910
CFMR	FP-4657	Flathead Co.	Montana	<i>Betula papyrifera</i>	Hedgcock G. G.	1910
CFMR	FP-47199	Wahkiakum Co.	Washington	<i>Betula papyrifera</i>	Hedgcock G. G.	1928
CFMR	FP-47492	Randolph Co.	West Virginia	<i>Fagus grandifolia</i>	Chapman D.	1928
CFMR	FP-48800	Stevens Co.	Washington	<i>Betula occidentalis</i>	Hedgcock G. G.	1928

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
CFMR	FP-54971	Bonner Co.	Idaho	<i>Betula occidentalis</i>	Hedgcock G. G.	1931
CFMR	FP-57081	Huntingdon Co.	Pennsylvania	<i>Betula alba</i>	Overholts L. O.; Davidson	1933
CFMR	FP-58564	Cheshire Co.	New Hampshire	<i>Fagus</i> sp.	Moses C. S.	1936
CFMR	FP-58572	Itasca Co.	Minnesota	<i>Betula papyrifera</i>	Sluzalis L. L.	1934
CFMR	FP-59009	Carlton Co.	Minnesota	<i>Populus tremuloides</i>	Christensen C.	1934
CFMR	FP-59010	Carlton Co.	Minnesota	<i>Populus tremuloides</i>	Christensen C.	1934
CFMR	FP-59011	NP	NP	<i>Betula papyrifera</i>	Christensen C.	1934
CFMR	FP-59012	Carlton Co.	Minnesota	<i>Betula papyrifera</i>	Christensen C.	1934
CFMR	FP-59013	Carlton Co.	Minnesota	<i>Betula papyrifera</i>	Christensen C.	1934
CFMR	FP-59099	Waldo Co.	Maine	<i>Fagus</i> sp.	Grant T. J.	1934
CFMR	FP-59100	Waldo Co.	Maine	<i>Betula alba</i>	Grant T. J.	1934
CFMR	FP-59100-T	Waldo Co.	Maine	<i>Betula papyrifera</i>	Grant T. J.	1934
CFMR	FP-6070	Kitsap Co.	Washington	<i>Pseudotsuga taxifolia</i>	NP	1928
CFMR	FP-6198	Flathead Co.	Montana	<i>Betula papyrifera</i>	Humphrey C. J.	1910
CFMR	FP-6327	Flathead Co.	Montana	<i>Populus balsamifera</i>	Humphrey C. J.	1910
CFMR	FP-63686	Washington Co.	Maine	<i>Fagus grandifolia</i>	Hansbrough J. R.	1934
CFMR	FP-70957	NP	Wisconsin	<i>Acer</i> sp.	Lorenz R. C.	1935
CFMR	FP-70960	NP	Wisconsin	<i>Betula lutea</i>	Lorenz R. C.	1935
CFMR	FP-71070	Price Co.	Wisconsin	<i>Betula</i> sp.	Lorenz R. C.	1936
CFMR	FP-72105	NP	Virginia	NP	Roth E.	1938

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
CFMR	FP-8606	Coos Co.	New Hampshire	<i>Betula lutea</i>	Hedgcock G. G.	1913
CFMR	FP-8612	Coos Co.	New Hampshire	<i>Betula lutea</i>	Hedgcock G. G.	1913
CFMR	FP-8635	NP	Rhode Island	<i>Acer saccharum</i>	Hedgcock G. G.	1913
CFMR	FP-8811	Watauga Co.	North Carolina	<i>Betula lenta</i>	Ames C. A.	1903
CFMR	FP-8825	Avery Co.	North Carolina	<i>Betula lutea</i>	Buttrick; Ames	1903
CFMR	FP-8845	NP	North Carolina	<i>Betula lenta</i>	Buttrick; Ames	1913
CFMR	FP-8877	NP	North Carolina	<i>Fagus ferruginea</i>	Ames C. A.	1916
CFMR	FP-8884	NP	North Carolina	<i>Betula lenta</i>	Ames C. A.	1913
CFMR	FP-8887	NP	North Carolina	<i>Betula lutea</i>	Ames C. A.	1913
CFMR	FP-89054	Coos Co.	New Hampshire	<i>Betula lutea</i>	Long W. H.	1925
CFMR	FP-9128	Preston Co.	West Virginia	<i>Prunus serotina</i>	Sheldon J. L.	1908
CFMR	FP-9161	Windham Co.	Connecticut	<i>Betula populifolia</i>	Sheldon J. L.	1908
CFMR	FP-9476	Bonner Co. Fairbanks North Star Boro.	Idaho	<i>Betula lenta</i>	Hedgcock G. G.; Weir J. R.	1911
CFMR	GAL-3347		Alaska	<i>Betula</i> sp.	Laursen G. A.	1986
CFMR	GAL-5364	Denali Boro.	Alaska	<i>Betula</i> sp.	Laursen G. A.	1993
CFMR	GAL-9057	Fairbanks North Star Boro.	Alaska	<i>Betula</i> sp.	Laursen G. A.	1998
CFMR	HHB-10455	Marquette Co.	Michigan	<i>Betula lutea</i>	Burdsall H. H. Jr.	1978
CFMR	HHB-10815	La Crosse Co.	Wisconsin	<i>Betula nigra</i>	Burdsall H. H. Jr.	1979
CFMR	HHB-12424	Kenai Peninsula Boro.	Alaska	<i>Betula</i> sp.	Burdsall H. H. Jr.	1988
CFMR	HHB-12823	Anchorage Boro.	Alaska	<i>Betula</i> sp.	Burdsall H. H. Jr.	1989

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
CFMR	HHB-15106	Denali Boro.	Alaska	<i>Populus tremuloides</i>	Burdsall H. H. Jr.	1994
CFMR	HHB-2241	Jackson Co.	North Carolina	<i>Quercus</i> sp.	Burdsall H. H. Jr.	NP
CFMR	HHB-3239	NP	Michigan	<i>Populus</i> sp.	Burdsall H. H. Jr.	1969
CFMR	HHB-4952	Herkimer Co.	New York	<i>Fagus grandifolia</i>	Burdsall H. H. Jr.	1970
CFMR	HHB-5820	Lake Co.	Montana	<i>Betula papyrifera</i>	Burdsall H. H. Jr.	1971
CFMR	HHB-7640	Marquette Co.	Michigan	<i>Betula papyrifera</i>	Burdsall H. H. Jr.	1974
CFMR	HHB-7970	Marquette Co.	Michigan	<i>Betula papyrifera</i>	Burdsall H. H. Jr.	1974
CFMR	HHB-9158	Marquette Co.	Michigan	<i>Betula lutea</i>	Burdsall H. H. Jr.	1976
CFMR	L-15606-Sp	Onondaga Co.	New York	<i>Betula alleghaniensis</i>	Lowe J. L.	1975
CFMR	RLG-5845	Flathead Co.	Montana	<i>Betula papyrifera</i>	Gilbertson R. L.	1966
CFMR	RMR-140000	Adams Co.	Wisconsin	<i>Betula nigra</i>	Rentmeester R. M.	1993
CFMR	RMR-140003	Adams Co.	Wisconsin	<i>Betula nigra</i>	Rentmeester R. M.	1993
CFMR	TJV-93-101	NP	Michigan	<i>Betula</i> sp.	Volk T. J.	1993
CFMR	TJV-93-7-R	Dane Co.	Wisconsin	<i>Betula papyrifera</i>	Volk T. J.	1990
CFMR	TJV-93-7-T	Dane Co.	Wisconsin	<i>Betula papyrifera</i>	Volk T. J.	1990
CORT	00012	Hamilton Co.	New York	NP	Sabol	1982
CORT	00013	Hamilton Co.	New York	NP	Both; McClure	1982
CORT	00027	Hamilton Co.	New York	NP	T.H.	1988
CORT	00044	Hamilton Co.	New York	NP	Overhiser	1982
CORT	00369	Hamilton Co.	New York	NP	Kyde	1985

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
CORT	01668	Franklin Co.	Massachusetts	NP	Baroni T. J.	1974
CUP	38	NP	NP	<i>Sorbus aucuparia</i>	NP	NP
CUP	39	NP	NP	<i>Betula</i> sp.	NP	NP
CUP	100	NP	NP	<i>Populus tremula</i>	NP	NP
CUP	174	NP	NP	<i>Betula alba</i>	NP	NP
CUP	196	NP	NP	<i>Betula lutea</i>	NP	NP
CUP	266	Tompkins Co.	New York	<i>Acer</i> sp.	Babcock J. F.	1999
CUP	908	NP	New Hampshire	<i>Betula</i> sp.	NP	NP
CUP	2944	Tompkins Co.	New York	<i>Fagus grandifolia</i>	Red	NP
CUP	5508	Tompkins Co.	New York	NP	Barrus	NP
CUP	5522	Hamilton Co.	New York	<i>Betula lenta</i>	NP	NP
CUP	7766	NP	NP	<i>Betula</i> sp. (red birch)	NP	NP
CUP	11676	Hamilton Co.	New York	<i>Betula alba</i>	Whetsel	NP
CUP	14391	NP	NP	<i>Betula</i> sp.	Weiss	NP
CUP	14417	Tompkins Co.	New York	NP	Smiley	NP
CUP	14813	Herkimer Co.	New York	<i>Betula lutea</i>	Miller	NP
CUP	15264	Sevier Co.	Tennessee	<i>Acer</i> sp.	NP	NP
CUP	15490	Clearwater Co.	Minnesota	<i>Betula papyrifera</i>	NP	NP
CUP	17500	Grafton Co.	New Hampshire	<i>Betula lutea</i>	NP	NP
CUP	19393	Grafton Co.	New Hampshire	<i>Betula papyrifera</i>	NP	NP
CUP	19517	Grafton Co.	New Hampshire	<i>Betula lutea</i>	NP	NP

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
CUP	19537	Grafton Co.	New Hampshire	<i>Fagus grandifolia</i>	NP	NP
CUP	19987	NP	New Hampshire	<i>Betula populifolia</i>	NP	NP
CUP	20007	Grafton Co.	New Hampshire	<i>Alnus incana</i>	NP	NP
CUP	22223	Hamilton Co.	New York	<i>Fagus grandifolia</i>	NP	NP
CUP	25983	Washington Co.	New York	<i>Fagus grandifolia</i>	NP	NP
CUP	27472	Tompkins Co.	New York	<i>Betula lutea</i>	NP	NP
CUP	27474	NP	New York	<i>Fagus grandifolia</i>	NP	NP
CUP	36408	Cattaraugus Co.	New York	<i>Populus grandidentata</i>	NP	NP
CUP	43182	Tompkins Co.	New York	NP	NP	NP
CUP	43192	Steuben Co.	New York	<i>Betula lutea</i>	NP	NP
CUP	50752	NP	New York	NP	NP	NP
CUP	50755	Whitman Co.	Washington	NP	NP	NP
CUP	50756	Tompkins Co.	New York	NP	NP	NP
CUP	60024	Essex Co.	New York	NP	NP	NP
CUP	065975	Schuyler Co.	New York	<i>Betula lutea</i>	NP	NP
CUP	066063	Schuyler Co.	New York	<i>Fagus grandifolia</i>	NP	NP
CUP	A-002016	Tompkins Co.	New York	<i>Acer</i> sp.	Atkinson G. F.	1896
CUP	A-002020	Tompkins Co.	New York	<i>Fagus grandifolia</i>	Atkinson G. F.	1896
CUP	A-002031	Tompkins Co.	New York	<i>Fagus grandifolia</i>	Atkinson G. F.	1898
CUP	A-002032	Tompkins Co.	New York	<i>Fagus grandifolia</i>	Atkinson G. F.	1899

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
CUP	A-002738	St. Lawrence Co.	New York	<i>Fagus grandifolia</i>	Atkinson G. F.	1896
CUP	A-004763	Tompkins Co.	New York	NP	NP	NP
CUP	A-031088	Tompkins Co.	New York	NP	Atkinson G. F.	NP
DEWV	5446	Preston Co.	West Virginia	NP	Terra Alta Mushroom foray	2004
DEWV	7794	Pocahontas Co.	West Virginia	<i>Fagus grandifolia</i>	Mitchell D. M.	2005
DEWV	8124	Randolph Co.	West Virginia	NP	Mitchell D. M.	2006
DEWV	8501	Tucker Co.	West Virginia	NP	William C. R.	2006
F	81606	Houghton Co.	Michigan	<i>Acer</i> sp.	Sell T.	1979
F	81607	Houghton Co.	Michigan	<i>Betula alleganiensis</i>	Malone M. S.	1979
F	81608	Houghton Co.	Michigan	<i>Populus tremuloides</i>	Hoppe D. L.	1973
F	81609	Houghton Co.	Michigan	<i>Betula alleganiensis</i>	Mix R. A.	1979
F	81610	Keweenaw Co.	Michigan	<i>Betula papyrifera</i>	Hubbard W.	1979
F	81611	Houghton Co.	Michigan	<i>Betula papyrifera</i>	Rohrmoser B.	1979
F	81612	Houghton Co.	Michigan	<i>Betula alleganiensis</i>	LaFave J.	NP
F	81613	Baraga Co.	Michigan	<i>Betula</i> sp.	Ammirati J. F.	1969
F	81615	Houghton Co.	Michigan	<i>Betula alleganiensis</i>	Biesbrock B.	1979
FPF	NP	Bonner Co.	Idaho	NP	Weir J. R.	1915
FPF	NP	Fairbanks North Star Boro.	Alaska	NP	Laurent, Hinds T. E.	1977
FPF	NP	Lawrence Co.	South Dakota	NP	Moberg	1938
GAM	10179	Tompkins Co.	New York	<i>Fagus grandifolia</i>	Miller	1925
GAM	10180	Tompkins Co.	New York	<i>Fagus grandifolia</i>	Miller	1925

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
GAM	68681	NP	Virginia	<i>Betula</i> sp.	Ruth Lewis;	1938
GAM	86717	Buncombe Co.	North Carolina	<i>Betula alleghaniensis</i>	Gilbertson; Boyce; Berry	1959
GAM	90655	Onondaga Co.	New York	NP	Hepting G. H.	1930
GAM	94540	Randolph Co.	West Virginia	<i>Fagus grandifolia</i>	NP	1938
GAM	99597	Yancey Co.	North Carolina	NP	Lowe J. L.	1950
ILLS	40262	Sevier Co.	Tennessee	<i>Fagus</i> sp.	Good R. E.	NP
ILLS	41091	Bonner Co.	Idaho	<i>Betula occidentalis</i>	Weir J. R.	1915
ILLS	45068	Bennington Co.	Vermont	<i>Betula</i> sp.	JLC; JDS	1980
ILLS	46938	Douglas Co.	Illinois	<i>Betula papyrifera</i>	Anderson M.	1971
ILLS	49088	Hamilton Co.	New York	NP	Crane J. L.; Schoknecht J. D.	1989
ILLS	54119	Vilas Co.	Wisconsin	<i>Betula papyrifera</i>	Crane J. L.; Fallah P. M.	1996
ILLS	56696	Coos Co.	New Hampshire	NP	Crane J. L.	2002
MICH	39026	Ontonagon Co.	Michigan	NP	Richter D. L.	1991
MICH	68538	Houghton Co.	Michigan	NP	Richter D. L.	2007
MIN	NP	Anoka Co.	Minnesota	NP	NP	NP
MIN	NP	Anoka Co.	Minnesota	NP	NP	NP
MIN	NP	Cass Co.	Minnesota	NP	NP	NP
MIN	NP	Clearwater Co.	Minnesota	NP	NP	NP
MIN	NP	Clearwater Co.	Minnesota	NP	NP	NP
MIN	NP	Clearwater Co.	Minnesota	NP	NP	NP

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
MIN	NP	Clearwater Co.	Minnesota	NP	NP	NP
MIN	NP	Clearwater Co.	Minnesota	NP	NP	NP
MIN	NP	Clearwater Co.	Minnesota	NP	NP	NP
MIN	NP	Clearwater Co.	Minnesota	NP	NP	NP
MIN	NP	Cook Co.	Minnesota	NP	NP	NP
MIN	NP	Goodhue Co.	Minnesota	NP	NP	NP
MIN	NP	Goodhue Co.	Minnesota	NP	NP	NP
MIN	NP	Goodhue Co.	Minnesota	NP	NP	NP
MIN	NP	Isanti Co.	Minnesota	NP	NP	NP
MIN	NP	Saint Louis Co.	Minnesota	NP	NP	NP
NCSC	7	Ashe Co.	North Carolina	<i>Betula lenta</i>	Grand L. F	1999
NCSC	438	Yancey Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.; Vernia C. S.	1999
NCSC	615	Ashe Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F	2000
NCSC	622	Watauga Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F	2000
NCSC	627	Watauga Co.	North Carolina	<i>Betula lenta</i>	Grand L. F	2000
NCSC	628	Avery Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F	2000
NCSC	638	Avery Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F	2000
NCSC	644	Watauga Co.	North Carolina	<i>Betula lenta</i>	Grand L. F	2000
NCSC	844	Buncombe Co.	North Carolina	<i>Betula lenta</i>	Pinson J.	2000
NCSC	1751	Watauga Co.	North Carolina	<i>Betula lenta</i>	Grand L. F.; Vernia C. S.	2000
NCSC	1765	NP	NP	<i>Betula lenta</i>	Grand L. F	2000

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
NCSC	4795	Ashe Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.	2001
NCSC	6425	Swain Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.; Vernia C. S.	2001
NCSC	6432	Swain Co.	North Carolina	<i>Acer saccharum</i>	Grand L. F.; Vernia C. S.	2001
NCSC	6488	Swain Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.; Vernia C. S.	2001
NCSC	6496	Transylvania Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.; Vernia C. S.	2001
NCSC	6499	Buncombe Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.	2001
NCSC	7871	Swain Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.; Vernia C. S.	2001
NCSC	10080	Swain Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.; Vernia C. S.	2001
NCSC	10083	Swain Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.; Vernia C. S.	2001
NCSC	12555	Watauga Co.	North Carolina	<i>Betula lenta</i>	NP	2001
NCSC	12867	NP	North Carolina	<i>Fagus grandifolia</i>	Grand L. F.	2002
NCSC	12958	Graham Co.	North Carolina	<i>Acer rubrum</i>	Grand L. F.; Vernia C. S.	2002
NCSC	15648	Ashe Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.	2002
NCSC	16138	Buncombe Co.	North Carolina	NP	North Amer. Mycol. Assoc. foray	1994
NCSC	16290	Avery Co.	North Carolina	<i>Prunus serotina</i>	Grand L. F.; Vernia C. S.	2003
NCSC	16419	Cherokee Co.	North Carolina	<i>Betula alleghaniensis</i>	NP	2003
NCSC	16432	Macon Co.	North Carolina	<i>Betula lenta</i>	NP	2003
NCSC	16466	Macon Co.	North Carolina	<i>Prunus serotina</i>	Grand L. F.; Vernia C. S.	2003
NCSC	16468	Macon Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.; Vernia C. S.	2003
NCSC	16477	Clay Co.	North Carolina	<i>Betula alleghaniensis</i>	NP	2003

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
NCSC	16479	Macon Co.	North Carolina	<i>Fagus grandifolia</i>	NP	2003
NCSC	16507	Haywood Co.	North Carolina	<i>Fagus grandifolia</i>	NP	2003
NCSC	16644	Watauga Co.	North Carolina	<i>Betula lenta</i>	Grand L. F.; Vernia C. S.	2003
NCSC	17237	Caldwell Co.	North Carolina	<i>Betula allegghaniensis</i>	NP	2005
NCSC	17258	Avery Co.	North Carolina	NP	NP	2005
NCSC	17259	Caldwell Co.	North Carolina	<i>Betula</i> sp.	NP	2005
NCSC	17264	Caldwell Co.	North Carolina	<i>Betula allegghaniensis</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17269	Avery Co.	North Carolina	<i>Aesculus sylvatica</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17304	Macon Co.	North Carolina	<i>Betula allegghaniensis</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17305	Haywood Co.	North Carolina	<i>Betula allegghaniensis</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17306	Haywood Co.	North Carolina	<i>Betula lenta</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17307	Swain Co.	North Carolina	<i>Fagus grandifolia</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17308	Swain Co.	North Carolina	<i>Fagus grandifolia</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17309	Haywood Co.	North Carolina	<i>Fagus grandifolia</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17310	Macon Co.	North Carolina	<i>Betula lenta</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17311	Swain Co.	North Carolina	<i>Betula allegghaniensis</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17312	Swain Co.	North Carolina	<i>Fagus grandifolia</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17313	Swain Co.	North Carolina	<i>Betula allegghaniensis</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17314	Jackson Co.	North Carolina	<i>Fagus grandifolia</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17315	Haywood Co.	North Carolina	<i>Fagus grandifolia</i>	Grand L. F.; Vernia C. S.	2005
NCSC	17316	Macon Co.	North Carolina	<i>Betula allegghaniensis</i>	Grand L. F.; Vernia C. S.	2005

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
NCSC	17417	Jackson Co.	North Carolina	<i>Betula alleghaniensis</i>	Grand L. F.; Vernia C. S.	2006
NCSC	17442	Transylvania Co.	North Carolina	<i>Quercus alba</i>	Grand L. F.; Vernia C. S.	2006
NCSC	17623	NP	NP	<i>Betula alleghaniensis</i>	Grand L. F.	2007
NCSC	17624	NP	NP	<i>Betula alleghaniensis</i>	Grand L. F.	2007
NCSC	17632	NP	NP	<i>Betula alleghaniensis</i>	Grand L. F.	2008
NCSC	17633	NP	NP	<i>Fagus grandifolia</i>	Grand L. F.	2008
NCSC	17634	NP	NP	<i>Betula alleghaniensis</i>	Grand L. F.	2008
NCSC	17781	Surry Co.	North Carolina	<i>Betula</i> sp.	Sharilyn T.	2008
NCSC	17831	McDowell Co.	North Carolina	<i>Betula lenta</i>	Grand L. F.; Vernia C. S.	2009
NCU	5536	NP	North Carolina	<i>Betula nigra</i>	Coker W. C.	1922
NCU	10271	Macon Co.	North Carolina	<i>Betula</i> sp.	Coker W. C.	1936
NCU	19798	Washington	District of Columbia	<i>Betula nigra</i>	Weir J. R.	1920
NCU	6916: 134513	NP	Idaho	<i>Betula</i> sp.	Lowe J. L.; Gilbertson R. L.	1956
NCU	NP	Macon Co.	North Carolina	NP (<i>Tsuga</i> sp.)	Hesler L. R.	1931
NCU	NP	NP	South Dakota	<i>Betula papyrifera</i>	Weir J. R.	1918
NCU	NP	NP	Tennessee	NP	Hesler L. R.	1924
NY	175336	Polk Co.	Wisconsin	<i>Betula papyrifera</i>	Baker C. F.	1897
NY	175337	Chippewa Co.	Michigan	NP	Kramer C. L.	1955
NY	175405	Mackinac Co.	Michigan	NP	Kramer C. L.	1955
NY	175414	Mackinac Co.	Michigan	NP	Kramer C. L.	1955

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
NY	175415	NP	New Hampshire	<i>Fagus</i> sp.	NP	NP
NY	322751	Polk Co.	Wisconsin	<i>Betula papyrifera</i>	Baker C. F.	1897
NY	322778	Tompkins Co.	New York	NP	Hansing E. D.	1937
NY	333905	Fayette Co.	Kentucky	<i>Fraxinus</i> sp.	Kellerman W. A.	1882
NY	333909	Story Co.	Iowa	NP	Hitchcock A. S.	NP
NY	580456	Tucker Co.	West Virginia	NP	Ovrebo C. L.	1985
PACMA	NP	Caledonia Co.	Vermont	<i>Betula lutea</i>	Orton C. R.	1915
PACMA	NP	Caledonia Co.	Vermont	<i>Fagus</i> sp.	Orton C. R.	1919
PACMA	NP	Cambria Co.	Pennsylvania	<i>Betula lenta</i>	Overholts L. O.	1925
PACMA	NP	Carroll Co.	New Hampshire	<i>Fagus</i> sp.	Overholts L. O.	1918
PACMA	NP	Centre Co.	Pennsylvania	<i>Betula lutea</i>	Rhoads A. S.	1914
PACMA	NP	Centre Co.	Pennsylvania	<i>Fagus atropunicea</i>	Nuttall L. W.	1922
PACMA	NP	Centre Co.	Pennsylvania	<i>Fagus grandifolia</i>	Adams	1920
PACMA	NP	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Cooke W. B.	1945
PACMA	NP	Clinton Co.	Pennsylvania	<i>Fagus grandifolia</i>	Geiswhite	1944
PACMA	NP	Garrett Co.	Maryland	<i>Betula lutea</i>	Meyer W. H.	1936
PACMA	NP	Giles Co.	Virginia	<i>Betula lenta</i>	Overholts L. O.	1936
PACMA	NP	Huntingdon Co.	Pennsylvania	<i>Betula</i> sp.	Overholts L. O.	1925
PACMA	NP	Huntingdon Co.	Pennsylvania	<i>Populus</i> sp.	Overholts L. O.	1925
PACMA	NP	Lincoln Co.	Maine	<i>Betula alba</i> var. <i>papyracea</i>	Grover F. O.	1926
PACMA	NP	Luzerne Co.	Pennsylvania	<i>Betula lutea</i>	Overholts L. O.; Campbell W. A.	1934

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
PACMA	NP	Lycoming Co.	Pennsylvania	<i>Betula</i> sp.	Overholts L. O.	1939
PACMA	NP	McKean Co.	Pennsylvania	<i>Betula lutea</i>	Overholts L. O.	1925
PACMA	NP	NP	Pennsylvania	<i>Betula lenta</i>	Moses C. S.	1933
PACMA	NP	NP	New York	<i>Juglans cinerea</i>	Meyers C. E.	1919
PACMA	NP	Onondaga Co.	New York	<i>Betula alba</i> var. <i>paperacea</i>	Rhoads A. S.	1915
PACMA	NP	Penobscot Co.	Maine	NP	Hilborn	1934
PACMA	NP	Potter Co.	Pennsylvania	<i>Prunus</i> sp.	Overholts L. O.	1925
PACMA	NP	Snyder Co.	Pennsylvania	<i>Fagus grandifolia</i>	Overholts L. O.	1928
PACMA	NP	Susquehanna Co.	Pennsylvania	<i>Fagus grandifolia</i>	Overholts L. O.	1939
PACMA	NP	Wayne Co.	Pennsylvania	<i>Betula</i> sp.	Overholts L. O.	1939
PACMA	NP	Westmoreland Co.	Pennsylvania	<i>Betula</i> sp.	Overholts L. O.	1939
PACMA	NP	Wexford Co.	Michigan	<i>Betula</i> sp.	Radcliffe	1915
TENN	614	Bonner Co.	Idaho	<i>Betula occidentalis</i>	Weir J. R.	1915
TENN	3238	Bradford Co.	Pennsylvania	<i>Betula</i> sp.	Campbell W. A.	1934
TENN	3239	Huntingdon Co.	Pennsylvania	<i>Populus grandidentata</i>	Overholts L. O.; Campbell W. A.	1933
TENN	3240	Bradford Co.	Pennsylvania	<i>Betula</i> sp.	Campbell W. A.	1934
TENN	4265	Sevier Co.	Tennessee	<i>Betula</i> sp.	Rice R. R.	1934
TENN	4935	Swain Co.	North Carolina	<i>Fagus grandifolia</i>	AJS	1935
TENN	7154	Knox Co.	Tennessee	NP	Wallace S. L.	1934
TENN	8145	Carter Co.	Tennessee	<i>Betula alleghaniensis</i>	Hesler L. R.	1935

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
TENN	8161	Blount Co.	Tennessee	<i>Betula</i> sp.	HMJ	1935
TENN	9072	Sevier Co.	Tennessee	<i>Betula</i> sp.	LRH; Sharp A. J.	1936
TENN	11913	Marinette Co.	Wisconsin	NP	NP	1933
TENN	18485	Kalamazoo Co.	Michigan	NP	Moffatt W. S.	1899
TENN	18487	Luce Co.	Michigan	NP	Moffatt W. S.	1914
TENN	46795	Grayson Co.	Virginia	<i>Betula lutea</i>	Jung H. S.	1985
TENN	46837	Swain Co.	North Carolina	<i>Betula lutea</i>	Jung H. S.	1986
TENN	46840	Swain Co.	North Carolina	<i>Betula lutea</i>	Jung H. S.	1986
TENN	60180	Sevier Co.	Tennessee	NP	Carranza J.	2004
TENN	60203	Sevier Co.	Tennessee	NP	Carranza J.	2004
TENN	64217	Sevier Co.	Tennessee	NP	Wolfenbarger A. D.	2009
TENN	66013	Morgan Co.	Tennessee	<i>Quercus</i> sp.	Looney B. P.	2010
UBC	f1658	Bonner Co.	Idaho	NP	NP	NP
UBC	f9088	Whatcom Co.	Washington	NP	NP	NP
WSP	2603	NP	New Hampshire	<i>Betula</i> sp.	Minns M. S.	NP
WSP	16822	Stevens Co.	Washington	<i>Betula</i> sp.	Sprague R.	1923
WSP	16823	Stevens Co.	Washington	<i>Betula</i> sp.	Sprague R.	1923
WSP	17424	Latah Co.	Idaho	<i>Betula</i> sp.	Whitley	1948
WSP	21319	Cheshire Co.	New Hampshire	<i>Betula lutea</i>	Cooke W. B.	1945
WSP	21751	Stevens Co.	Washington	<i>Betula</i> sp.	Harshman E. P.	1949
WSP	21845	Stevens Co.	Washington	<i>Betula</i> sp.	Fischer G. W.	1940

Table. Continued

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
WSP	26199	Pend Oreille Co.	Washington	<i>Betula papyrifera</i>	Cooke W. B.	1950
WSP	26426	Pend Oreille Co.	Washington	<i>Betula papyrifera</i>	Cooke W. B.	1950
WSP	26440	Pend Oreille Co.	Washington	<i>Betula papyrifera</i>	Cooke W. B.	1950
WSP	39156	Tompkins Co.	New York	<i>Betula</i> sp.	Cooke W. B.	1982
WSP	43339	NP	New York	<i>Fagus grandifolia</i>	Eno H. G.	1941
WSP	49128	Latah Co.	Idaho	<i>Betula</i> sp.	Damsteegt V.	1959
WSP	49776	Bonner Co.	Idaho	<i>Betula papyrifera</i>	Slipp A. W.	1939
WSP	49870	NP	Idaho	<i>Betula papyrifera</i>	Slipp A. W.	1943
WSP	52209	Latah Co.	Idaho	<i>Betula papyrifera</i>	Tachibana H.	1961
WSP	55025	Boundary Co.	Idaho	<i>Betula papyrifera</i>	Waldron H. M. Jr.	1963
WSP	58394	Potter Co.	Pennsylvania	<i>Betula alleghaniensis</i>	Grand L. F.	NP
WSP	59432	NP	Minnesota	<i>Betula alba</i>	Cooke W. B.	1970
WSP	60351	Whatcom Co.	Washington	<i>Betula papyrifera</i>	Cooke W. B.	1969
WSP	60370	Whatcom Co.	Washington	<i>Betula papyrifera</i>	NP	1969
WSP	60576	Fond du Lac Co.	Wisconsin	<i>Betula papyrifera</i>	Cooke W. B.	1975
WSP	68014	Tucker Co.	West Virginia	<i>Betula</i> sp.	Cooke W. B.	1985
WSP	69237	Iron Co.	Michigan	<i>Betula</i> sp.	Cooke W. B.	1987
WSP	69284	Franklin Co.	New York	<i>Betula</i> sp.	Cooke W. B.	1987
WSP	69385	Bonner Co.	Idaho	<i>Betula</i> sp.	Cooke W. B.	1986
WTU	FVDB1844	NP	Montana	NP	DES	1973

Herbarium ¹	Specimen Number ²	County ³	State	Host Species	Collector	Collected
WTU	Stuntz	Otsego Co.	New York	NP	DES	1977
WTU	Zeller221	Kenai Peninsula Boro.	Alaska	NP	Zeller	NP
<i>Fomes fomentarius</i> collected as <i>Elfvigia fomentaria</i>						
BPI	296971	Windham Co.	Connecticut	<i>Betula alba</i>	Sheldon J. L.	1908
BPI	296999	NP	Montana	NP	Blankinship	1907
BPI	297157	NP	New Hampshire	<i>Betula</i> sp.	Minns M. S.	NP
BPI	348383	Pocahontas Co.	West Virginia	<i>Betula</i> sp.	Murrill W. A.	1909

NP indicates record data was not provided or missing.

¹ Herbaria abbreviations follow Thiers (2012).

² Italicized bold specimen numbers indicate specimens examined in this study.

³ Bold county locations were generated in this study.