

**Wisconsin lichens and lichenicolous fungi
collected during the 2002 Tuckerman Lichen Workshop**

Compiled by Elisabeth Lay¹

The Tuckerman Lichen Workshops were started in 1994 by Richard Harris to encourage and assist a group of enthusiastic and knowledgeable amateur lichenologists in the identification of the eastern North American lichen flora. The group has grown from a small handful to over 30 participants for most workshops.

The Wisconsin workshop, the 11th Tuckerman Workshop, organized by Richard Harris, Bill Buck and Suzy Will-Wolf was held April 25-29, 2002, with collecting activities focused in 3 northern counties: Vilas, Oneida and Lincoln.

John Thomson issued to each participant a pre-release copy of his "The Lichens of Wisconsin" (Thomson 2002) to test the keys. The workshop produced 130 new county records and 47 new state records (included in Appendix 1 of Thomson 2003). With more time, identifications have been submitted for another 59 county and 6 state records.

Contributors: T. Ahti, J. Bennett, B. Buck, J. Buschbom, J. Butler, M. Cole, L. Crane, R. Egan, D. Flenniken, J. Guccion, R. C. Harris, D. Ketzner, E. Kneiper, D. Ladd, E. Lay, R. Lücking & M. Cáceres, P. Majestyk, P. May, L. Sliwa, M. Trest, C. Wetmore, R. Yahr.

* = new county record (based on Thomson, 2003)

** = new state record (based on Thomson, 2003)

*** new state record reported but not treated in Thomson, 2003.

WI. Lincoln County: Town of King, Treehaven, ca. 2 mi S of Co. Hwy A on Pickerel Creek Avenue, T.35N., R.7E., sec. 24, ca. 45°30'N, 89°34'W, ca. 450 m; second-growth *Populus*-dominated forest. 25 April 2002. (Note: the date will probably vary with collector).

Amandinea polyspora (Willey) E. Lay & P. May (Buck 41652; Ladd 23667)

Amandinea punctata (Hoffm.) Coppins & Scheid. (Ladd 23673)

Arthonia caesia (Flotow) Körb. (Harris 45793; Kneiper 2211)

Arthonia patellulata Nyl. (Harris 45785, 45787, 45794)

Arthrosporum populorum A. Massal. (Harris 45788; Kneiper 221)

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- Bacidia circumspecta* (Vainio) Malme (Harris 45781)
Buellia schaereri De Not. (Buck 41657)
Caloplaca cerina (Hedw.) Th. Fr. (Harris 45786D; Kneiper 225; Lay 02-0357)
Caloplaca holocarpa (Hoffm.) M. Wade (Buck 41656; Kneiper 224)
Candelaria concolor (Dickson) Stein (Ahti 61154; Harris 45784; Kneiper 2227)
Candelariella vitellina (Hoffm.) Müll. Arg. (Harris 45786C; Kneiper 223)
Cladonia macilenta var. *bacillaris* (Genth) Schaerer (Ahti 61153)
Cladonia parasitica (Hoffm.) Hoffm. (Ahti 61156)
Evernia mesomorpha Nyl. (Flenniken 5778; Kneiper 2219)
Flavoparmelia caperata (L.) Hale (Ahti 61155; Flenniken 5779)
Flavopunctelia flaventior (Stirton) Hale (Flenniken 5780)
 **Flavopunctelia soledica* (Nyl.) Hale (Flenniken 5781)
Hypocenomyce friesii (Ach.) P. James & G. Schneider (Buck 41658)
Hypogymnia physodes (L.) Nyl. (Kneiper 2213)
Lecanora glabrata (Ach.) Malme (Harris 45795)
 ****Lecanora sambuci* (Pers.) Nyl. (Buck 41653; Harris 45788A; Kneiper 2210)
 ***Leptorhaphis epidermidis* (Ach.) Th. Fr. (Buck 41662)
Melanelia septentrionalis (Lynge) Essl. (Ladd 23678)
Melanelia subaurifera (Nyl.) Essl. (Flenniken 5782; Ladd 23670, 23672)
Micarea erratica (Körb.) Hertel *et al.* (Buck 41664)
Micarea melaena (Nyl.) Hedl. (Buck 41663)
Micarea prasina Fr. (Harris 45791)
Mycocalicium subtile (Pers.) Szatala (Buck 41661)
Parmelia squarrosa Hale (Flenniken 5783)
Parmelia sulcata Taylor (Flenniken 5784; Kneiper 2212)
Peltigera praetextata (Flörke ex Sommerf.) Zopf (Kneiper 2234)
Phaeophyscia ciliata (Hoffm.) Moberg (Harris 45786B; Kneiper 226)
Physcia adscendens (Fr.) H. Olivier (Kneiper 2232)
Physcia aipolia (Humb.) Fűrnr. (Harris 45782, 45783)
 **Physcia millegrana* Degel. (Kneiper 2216)
Physcia stellaris (L.) Nyl. (Harris 45786A; Kneiper 229)
Physconia detera (Nyl.) Poelt (Harris 45792)
Physconia leucoleiptes (Tuck.) Essl. (Harris 45789)
Punctelia rudecta (Ach.) Krog (Flenniken 5785)
Punctelia subrudecta (Nyl.) Krog (Flenniken 5786)
Ramalina americana Hale (Flenniken 5787; Harris 45790; Kneiper 2214)
 ***Stenocybe pullatula* (Ach.) Stein (Ladd 23668)
Stereocaulon tomentosum Fr. (Ladd 23675)
Tuckermannopsis americana (Spreng.) Hale (Flenniken 5788)
Usnea hirta (L.) F. H. Wigg. (Flenniken 5789)
 **Usnea subfloridana* Stirton (Flenniken 5790)
Xanthoria hasseana Räsänen (Flenniken 5791; Harris 45786; Kneiper 222)

WI. Vilas County: Town of Land o' Lakes, Northern Highland State Forest, Johnson Lake Barrens State Natural Area, 1.5 mi S of Co. Hwy B on High Lake Road, then 1.2 mi E on Jute Lake Road, T.42N., R.8E., sec. 8, 46°08'40"-57"N 89°30'03"-09"W, ca. 525 m; logged jack pine barrens. 26 April 2002

- Acarospora fuscata* (Schr.) Arnold (Buck 41560; Harris 45826; Lay 02-0339)
Alloctraria oakesiana (Tuck.) Randlane & Thell (Yahr 4212)
Arthonia caesia (Flotow) Körb. (Guccion s.n.; Ladd 23691; Lücking/Cáceres s.n.; Yahr 4216)
Arthonia patellulata Nyl. (Crane 02-376; Guccion s.n.; Harris 45802; Majestyk 2856)
 **Arthrosporum populorum* A. Massal. (Lay 02-0042)
 **Aspicilia cinerea* (L.) Körb. (Lay 02-0041, 02-0046)
 ****Aspicilia verrucigera* Hue (Buck 41567)
Bacidia circumspeta (Vainio) Malme (Lay 02-0347)
Bryoria furcellata (Fr.) Brodo & Hawksw. (Buck 41574; Egan 15,804; Flenniken 5792; Lay 02-0348; Lücking/Cáceres s.n.)
Buellia disciformis (Fr.) Mudd [*Hafellia disciformis* (Fr.) Marbach & H. Mayrhofer] (Lücking/Cáceres s.n.)
Calicium abietinum Pers. (Buck 41569)
Caloplaca cerina (Hedw.) Th. Fr. (Bennett 02-0001; Guccion s.n.; Lay 02-0355; Lücking/Cáceres s.n.; Majestyk 2878; May 6093, 6100; Yahr 4219)
 **Caloplaca citrina* (Hoffm.) Th. Fr. (May 6093)
Caloplaca holocarpa (Hoffm.) M. Wade (Ladd 23685; Lay 02-0359, 92-0360; Lücking/Cáceres s.n.; Majestyk 2870; May 6093, 6100)
Candelaria concolor (Dickson) Stein (Bennett 02-0002; Guccion s.n.)
 ****Candelariella reflexa* (Nyl.) Letau (Ladd 23687)
Candelariella vitellina (Hoffm.) Müll. Arg. (Lay 02-0363; May 6089)
Candelariella xanthostigma (Ach.) Lettau (Lücking/Cáceres s.n.)
 ****Catillaria nigroclavata* (Nyl.) Schuler (Lücking/Cáceres s.n.)
Chaenotheca brunneola (Ach.) Müll. Arg. (Crane 02-372)
Cladonia arbuscula (Wallr.) Flotow (Harris 45805; Majestyk 2861)
Cladonia coniocraea (Flörke) Spreng. (Egan 15,792; Flenniken 5796)
Cladonia cristatella Tuck (Bennett 02-0007; Flenniken 5797; Yahr 4207)
 **Cladonia deformis* (L.) Hoffm. (Egan 15,796)
Cladonia frimbriata (L.) Fr. (Bennett 02-0008; Majestyk 2847)
Cladonia furcata (Hudson) Schrad. (Bennett 02-0009)
Cladonia gracilis (L.) Willd. (Bennett 02-0010, 02-0011, 02-0012; Egan 15,812; Flenniken 5797; Yahr 4211)
Cladonia grayi G. Merr. ex Sandst. (Yahr 4206)
Cladonia merochlorophaea Asah. (Egan 15,809; Flenniken 5798)
Cladonia mitis Sandst. (Bennett 02-0003; Egan 15,795; Harris 45808, 45810; Majestyk 2855; May 6102; Yahr 4205)
Cladonia multififormis G. Merr. (Egan 15,798, 15,799; Harris 45813; Majestyk 2872; Yahr 4209)
Cladonia ochrochlora Flörke (Majestyk 2949)
Cladonia ramulosa (With.) J. R. Laundon (Flenniken 5795; Harris 45823)
Cladonia rangiferina (L.) F. H. Wigg. (Bennett 02-0004; Crane 02-366; Egan 15,793; Flenniken 5793; Harris 45816; Lay 02-0423; Majestyk 2857)
Cladonia squamosa Hoffm. (Bennett 02-0013; Flenniken 5799)
Cladonia stellaris (Opiz) Pouzar & Vězda (Bennett 02-0005; Egan 15,808; Harris 45822; Majestyk 2853)
Cladonia stygia (Fr.) Ruoss (Bennett 02-0006; Cole 9516; Crane 02-365; Harris 45815; Ladd 23693; Lay 02-0422; Majestyk 2848; May 6096; Trest 401; Yahr 4208, 4220)

- Cladonia subtenuis* (Abbayes) Mattick (Flenniken 5794)
Cladonia turgida Hoffm. (Egan 15,797; Harris 45811; Majestyk 2846; Yahr 4202 4204)
Cladonia uncialis (L.) F. H. Wigg. (Bennett 02-0014; Egan 15,794; Harris 45797; Yahr 4203)
 ****Cornutispora ciliata* Kalb (Harris 45817A)
Collema nigrescens (Hudson) DC. (Crane 02-361)
 **Cyphelium lucidum* (Th. Fr.) Th. Fr. (Yahr 4222)
Diploschistes muscorum (Scop.) R. Sant. (Lay 02-0358)
 **Diploschistes scruposus* (Schreber) Norman (Lay 02-0371)
Evernia mesomorpha Nyl. (Bennett 02-0015; Egan 15,788; Flenniken 5800; Harris 45821; Lay 02-0372; Lücking/Cáceres s.n.; Majestyk 2871)
Flavoparmelia caperata (L.) Hale (Egan 15,810; Flenniken 5801; Lay 02-0375)
Flavopunctelia flaventior (Stirton) Hale (Egan 15,789; Lücking/Cáceres s.n.)
Flavopunctelia soledica (Nyl.) Hale (Flenniken 5802; Lay 02-0376)
Hypocenomyce anthracophila (Nyl.) P. James & Gotth. Schneider (Harris 45803; Majestyk 2881)
 **Hypocenomyce friesii* (Ach.) P. James & Gotth. Schneider (Crane 02-370; Egan 15,806)
Hypocenomyce scalaris (Ach.) Choisy (Bennett 02-0016; Buck 41565; Ladd 23680; Lay 02-0379; Majestyk 2862)
Hypogymnia physodes (L.) Nyl. (Bennett 02-0017, 02-0018, 02-0019; Cole 9515; Egan 15,791; Flenniken 5803; Harris 45820; Lücking/Cáceres s.n.; Majestyk 2879)
Imshaugia aleurites (Ach.) S. F. Meyer (Egan 15,800; Flenniken 5804; Harris 45801; Majestyk 2874)
Imshaugia placorodia (Ach.) S. F. Meyer (Cole 9513)
 ****Lecania cyrtella* (Ach.) Th. Fr. (Buck 41566; Ladd 23686; Lay 02-0060)
Lecanora albella (Pers.) Ach. (Lücking/Cáceres s.n.)
Lecanora allophana Nyl. (Lay 02-0428; Lücking/Cáceres s.n.; May 6081)
Lecanora hagenii (Ach.) Ach. (Lücking/Cáceres s.n.)
Lecanora pulicaris (Pers.) Ach. (Harris 45814; Lücking/Cáceres s.n.; Majestyk 2885)
 ****Lecanora sambuci* (Pers.) Nyl. (Harris 45800; Lay 02-0061, 02-0062; Majestyk 2852; May 6090)
Lecanora symmicta (Ach.) Ach. (Harris 45799; Lücking/Cáceres s.n.; Majestyk 2884; Yahr 4224)
 ****Lecidea plana* (J. Lahm) Nyl. (Harris 45812)
Lecidella euphorea (Flörke) Hertel (Bennett 02-0020)
Melanelia exasperata (De Not.) Essl. (Harris 45827A)
Melanelia olivacea (L.) Essl. (Harris 45798; Majestyk 2868; May 6086)
Melanelia septentrionalis (Lynge) Essl. (Crane 02-360, 02-363, 02-367; Egan 15,785; Flenniken 5805; Harris 45827; Ladd 23690; Lay 02-0384; Lücking/Cáceres s.n.; Majestyk 2876, 2882; Yahr 4214)
Melanelia subargentifera (Nyl.) Essl. (Lücking/Cáceres s.n.)
Melanelia subaurifera (Nyl.) Essl. (Egan 15,801; Flenniken 5806; Guccion s.n.; Harris 45817; Lücking/Cáceres s.n.; Majestyk 2877)
Micarea erratica (Körb.) Hertel et al. (Buck 41570; Harris 45806)
Micarea melaena (Nyl.) Hedl. (Buck 41559)
 ****Mycoglaena meridionalis* (Zahlbr.) Szatala (Buck 41558; Ladd 23697; Lay 02-0390)
Parmelia squarrosa Hale (Flenniken 5807; Guccion s.n.)

- Parmelia sulcata* Taylor (Bennett 02-0022; Egan 15,786; Flenniken 5808; Guccion s.n.; Harris 45818; Lücking/Cáceres s.n.; Majestyk 2865, 2869; Yahr 4223)
- Parmeliopsis ambigua* (Wulfen) Nyl. (Ladd 23683) *Peltigera canina* (L.) Willd. (Flenniken 5809, 5810; Yahr 4213)
- Peltigera praetextata* (Sommerf.) Zopf (Flenniken 5811, 5812; Harris 45824; Majestyk 2845)
- Phaeophyscia ciliata* (Hoffm.) Moberg (Crane 02-377; Flenniken 5813; Guccion s.n.; Lücking/Cáceres s.n.; May 6101; Yahr 4217)
- Phaeophyscia pusilloides* (Zahlb.) Essl. (Lücking/Cáceres s.n.)
- Phaeophyscia rubropulchra* (Degel.) Essl. (Lay 02-0400)
- Physcia adscendens* (Fr.) H. Olivier (Lücking/Cáceres s.n.)
- Physcia aipolia* (Humb.) Fürnr. (Flenniken 5814; Guccion s.n.; Lücking/Cáceres s.n.)
- Physcia stellaris* (L.) Nyl. (Flenniken 5815; Lay 02-0403; Lücking/Cáceres s.n.; Yahr 4215)
- Physconia detera* (Nyl.) Poelt (Guccion s.n.; Egan 15,815)
- Physconia perisidiosa* (Erichsen) Moberg (Lay 02-0405)
- Placynthiella oligotropha* (J. R. Laundon) Coppins & P. James (Buck 41573)
- Platismatia tuckermanii* (Oakes) Culb. & C. Culb. (Egan 15,802)
- Punctelia rudecta* (Ach.) Krog (Lay 02-0409)
- Punctelia subrudecta* (Nyl.) Krog (Lücking/Cáceres s.n.)
- Pyrrhospora elabens* (Fr.) Hafellner (Egan 15,805; Harris 45809; Majestyk 2880)
- Ramalina americana* Hale (Bennett 02-0023; Flenniken 5816; Guccion s.n.; May 6087)
- Ramalina dilacerata* (Hoffm.) Hoffm. (Lücking/Cáceres s.n.)
- Rinodina glauca* Ropin (Buck 41564; Lay 02-0199, 02-0200)
- Rinodina populicola* H. Magn. (Lay 02-0201)
- **Sarea resinae** (Fr.) Kuntze (Buck 41563; Ladd 23700)
- Scoliciosporum chlorococcum* (Stenh.) Vězda (Lay 02-0417; Yahr 4221)
- **Stenocybe pullatula** (Ach.) Stein (Harris 45828; Lay 02-0037; Lücking/Cáceres s.n.; May 6095)
- Stereocaulon paschale* (L.) Hoffm. (Bennett 02-0024)
- Stereocaulon saxatile* H. Magn. (Harris 45829)
- Stereocaulon tomentosum* Fr. (Bennett 02-0025)
- *Trapelia involuta** (Taylor) Hertel (Lay 02-0420)
- Trapeliopsis flexuosa* (Fr.) Coppins & P. James (Bennett 02-0026; Harris 45807; Majestyk 2854)
- Tuckermannopsis americana* (Spreng.) Hale (Bennet 02-0027; Buck 41575; Crane 02-364; Egan 15,803; Flenniken 5817; Ladd 23682; Majestyk 2859)
- Tuckermannopsis fendleri* (Nyl.) Hale (Lay 02-0072)
- Tuckermannopsis sepincola* (Ehrh.) Hale (Flenniken 5818)
- ***Umbilicaria deusta** (L.) Baumg. (Trest 400)
- Usnea hirta* (L.) F. H. Wigg. (Flenniken 5819; Harris 45819; Majestyk 2863)
- Usnea subfusca* Stirton (Flenniken 5820)
- Vulpicida pinastri* (Scop.) J.-E. Mattsson & M. J. Lai (Egan 15,807; Flenniken 5821; Harris 45804; Ladd 23696)
- Xanthoparmelia cumberlandia* (Gyelnik) Hale (Egan 15,813; Flenniken 5822; Guccion s.n.; Harris 45825; Lücking/Cáceres s.n.)
- Xanthoria fallax* (Hepp) Arnold (Lücking/Cáceres s.n.)

Xanthoria hasseana Räsänen (Bennett 02-0030; Egan 15,790; Flenniken 5823; Guccion s.n.; Lay 02-0421; Lücking/Cáceres s.n.; Majestyk 2866; May 6097; Yahr 4218)

**Xanthoria polycarpa* (Hoffm.) Rieber (Lücking/Cáceres s.n.)

**Xanthoria ulophyllodes* Räsänen (Bennett 02-0031; Egan 15,811; Guccion s.n.; Ladd 23688)

WI. Vilas County: Town of Plum Lake, Northern Highland State Forest, N of Co. Hwy K just E of jct with Old K Road, T.41N., R.8E., sec. 12, 13, 46°02'18"N 89°26'32"W, ca. 540 m; mature sugar maple-yellow birch forest. 26 April 2002

Anaptychia palmulata (Michx.) Vainio (Egan 15,831; Harris 45844; Lay 02-0340; Lücking/Cáceres s.n.; Majestyk 2921)

Anisomeridium polyperi (Ellis & Everh.) M. E. Barr (Yahr 4237a)

**Anzia colpodes* (Ach.) Stizenb. (Egan 15,826)

Arthonia byssacea (Weigel) Almq. (Buck 41606; Harris 45850, 45851; Ladd 23721; Lay 02-0342, 02-0343; May 6110, 6107)

Bacidia rubella (Hoffm.) A. Massal. (Lay 02-0048; Lücking/Cáceres s.n.; May 6112; Yahr 4225)

Bacidia schweinitzii (Fr. ex E. Michener) A. Schneider (Majestyk 2917)

Bacidia suffusa (Fr.) A. Schneider (Buck 41579; Egan 15,824; Ladd 23718; Lay 02-0049; Lücking/Cáceres s.n.; May 6113; Yahr 4226)

Candelaria fibrosa (Fr.) Müll. Arg. (Lay 02-0362; Lücking/Cáceres s.n.)

Chaenothecopsis debilis (Sm.) Tibell (Buck 41585)

Cladonia coniocraea (Flörke) Spreng. (Bennett 02-0032; Flenniken 5825)

Cladonia ochrochlora Flörke (Harris 45845; Majestyk 2892)

**Collema furfuraceum* (Arnold) Du Rietz (Majestyk 2925)

Collema subflaccidum Degel. (Egan 15,822; Flenniken 5826; Guccion s.n.; Lay 02-0368)

Conotrema urceolatum (Ach.) Tuck. (Buck 41603; Ladd 23713; Lücking/Cáceres s.n.; Majestyk 2920)

Dimerella pineti (Ach.) Vězda (May 6108)

Eopyrenula intermedia Coppins (Lay 02-0074, 02-0374; Yahr 4236)

Evernia mesomorpha Nyl. (Flenniken 5827)

Flavoparmelia caperata (L.) Hale (Egan 15,819; Flenniken 5828; Lücking/Cáceres s.n.)

Graphis scripta (L.) Ach. (Bennett 02-0035 02-0036; Lay 02-0378; Lücking/Cáceres s.n.; Majestyk 2893)

Heterodermia speciosa (Wulfen) Trevisan (Flenniken 5841)

***Homostegia piggotii* (Berk. & Broome) P. Karst. on *Parmelia sulcata* (Cole 9525)

Julella fallaciosa (Arnold) R. C. Harris (Buck 41583)

Lecanora allophana Nyl. (Yahr 4234)

Lecanora symmicta (Ach.) Ach. (Ladd 23732)

Lecanora thysanophora R. C. Harris (Harris 45831; Ketzner 2937; Majestyk 2914; Sliwa 1553)

Lepraria lobificans Nyl. (Harris 45832)

**Leptogium arsenii* Sierk (Flenniken 5829)

Leptogium lichenoides (L.) Zahlbr. (Buck 41599)

Leptogium teretiusculum (Wallr.) Arnold (Lay 02-0075)

Lithothelium hyalosporum (Nyl.) Aptroot (Buck 41588, 41591; Harris 45854)

- Lobaria pulmonaria* (L.) Hoffm. (Bennett 02-0038; Egan 15,823, 15,833; Flenniken 5830; Majestyk 2909)
- Lobaria quercizans* Michx. (Egan 15,816, 15,832; Flenniken 5831; Lücking/Cáceres s.n.; Majestyk 2915; May 6117; Sliwa 1546)
- Melanelia subargentifera* (Nyl.) Essl. (Harris 45834; Majestyk 2888)
- Melanelia subaurifera* (Nyl.) Essl. (Flenniken 5832)
- **Mycoglaena meridionalis** (Zahlbr.) Szatala (Buck 41601; Yahr 4237b)
- Myelochroa aurulenta* (Tuck.) Elix & Hale (Egan 15,827; Flenniken 5833; Guccion s.n.; Harris 45839; Lücking/Cáceres s.n.)
- Myelochroa galbina* (Ach.) Elix & Hale (Flenniken 5834; Lücking/Cáceres s.n.)
- Myxobilimbia sabuletorum* (Schreber) Hafellner (Buck 41582, 41584; Ladd 23705; Lay 02-0424)
- Ochrolechia trochophora* (Vainio) Oshio (Harris 45855; Ladd 23702; Lücking/Cáceres s.n.)
- Opegrapha varia* Pers. (Butler 1497a; Harris 45835; Ladd 23712; Lücking/Cáceres s.n.; May 6105)
- Parmelia squarrosa* Hale (Butler 1498; Flenniken 5835; Guccion s.n.)
- Parmelia sulcata* Taylor (Cole 9525; Flenniken 5836; Guccion s.n.)
- Parmotrema crinitum* (Ach.) M. Choisy (Egan 15,825, 15,835; Guccion s.n.; Harris 45856; Lücking/Cáceres s.n.)
- Peltigera canina* (L.) Willd. (Egan 15,852; Flenniken 5837)
- Peltigera evansiana* Gyelnik (Egan 15,830, 15,834; Flenniken 5838; Ladd 23706)
- *Peltigera horizontalis** (Hudson) Baumg. (Flenniken 5739, 5840)
- Peltigera polydactylon* (Necker) Hoffm. (Egan 15,829; Flenniken 5837)
- Peltigera praetextata* (Sommerf.) Zopf. (Flenniken 5839)
- Pertusaria amara* (Ach.) Nyl. (Buck 41597, 41600)
- *Pertusaria leioplaca** DC. (Yahr 4231)
- Pertusaria macounii* (Lamb) Dibben (Harris 45837, 45852; Lücking/Cáceres s.n.; May 6115; Yahr 4232)
- Pertusaria ophthalmiza* (Nyl.) Nyl. (Harris 45841; Lay 02-0396; Lücking/Cáceres s.n.)
- Pertusaria rubefacta* Erichsen (Lücking/Cáceres s.n.)
- Pertusaria velata* (Turner) Nyl. (Bennett 02-0041; Egan 15,818; Harris 45833; Lay 02-0397, 02-0398; Lücking/Cáceres s.n.; May 6118)
- Phaeocalicium polyporaeum* (Nyl.) Tibell (Harris 45830)
- Phaeophyscia adiastrata* (Essl.) Essl. (Flenniken 5841)
- Phaeophyscia ciliata* (Hoffm.) Moberg (Lay 02-0399)
- Phaeophyscia hispidula* (Ach.) Essl. (Cole 9526; Flenniken 5824; May 6114; Yahr 4233)
- Phaeophyscia pusilloides* (Zahlbr.) Essl. (Flenniken 5844)
- Phaeophyscia rubropulchra* (Degel.) Essl. (Crane 02-379; Egan 15,821; Flenniken 5845; Guccion s.n.; Lücking/Cáceres s.n.)
- Phaeophyscia squarrosa* Kashiwadani (Flenniken 5851, 5842, 5843; Guccion s.n.; Harris 45849; Majestyk 2918; May 6103, 6104, 6119)
- Physcia aipolia* (Humb.) Fűrnr. (Flenniken 5846; Lay 02-0402; Lücking/Cáceres s.n.)
- Physcia stellaris* (L.) Nyl. (Flenniken 5847)
- ***Physconia americana** Essl. (Flenniken 5848)
- Physconia detersa* (Nyl.) Poelt (Egan 15,820; Flenniken 5841, 5849, 5850; Guccion s.n.; Harris 45848; Ladd 23707; Lay 02-0404; Lücking/Cáceres s.n.; May 6116, 6109; Yahr 4229)

- Physconia leucoleiptes* (Tuck.) Essl. (Majestyk 2916; May 6106; Yahr 4228)
Physconia perisidiosa (Erichsen) Moberg (Lücking/Cáceres s.n.)
Punctelia rudecta (Ach.) Krog (Egan 15,814; Flenniken 5852; Guccion s.n.)
Punctelia subrudecta (Nyl.) Krog (Flenniken 5853)
Pyxine sorediata (Ach.) Mont. (Bennett 02-042; Egan 15,817, 15,828; Flenniken 5854; Guccion s.n.; Harris 45840; Lay 02-0414; Lücking/Cáceres s.n.; Ketzner 2939; Majestyk 2886; May 6111)
Ramalina americana Hale (Flenniken 5855)
Rinodina ascociscana Tuck. (Buck 41586; Butler 1497b; Lücking/Cáceres s.n.; Majestyk 2890; Yahr 4227)
Rinodina subminuta H. Magn. (Harris 45846, 45853A)
 ****Sclerophora nivea* (Hoffm.) Tibell (Buck 41587, 41594)
Sphinctrina turbinata (Pers.: Fr.) De Not. (Buck 41589; Harris 45837A, 45842; Ladd 23715; Lay 02-0035)
 **Usnea lapponica* Vainio (Flenniken 5856)
 ****Verrucaria viridigrana* Breuß (Buck 41577, 41593, 41602)
Xanthoria hasseana Räsänen (Flenniken 5857)

WI. Lincoln County: Town of Rock Falls, along E shore of Wisconsin River at Grandfather Dam, along St. Hwy 107, 0.7 mi S of Co. Hwy E, T.33N., R.6E., sec. 30, 45°18'50"N, 89°47'02"W, ca. 420 m; gneissic boulders and mixed conifer-hardwood forest. 27 April 2002

- Acarospora fuscata* (Schrab.) Arnold (Egan 15,847; Harris 45883; Lay 02-0039)
Amandinea polyspora (Willey) E. Lay & P. May (Lücking/Cáceres s.n.; Yahr 4250)
Amandinea punctata (Hoffm.) Coppins & Scheid. (Yahr 4240)
Arthonia caesia (Flotow) Körb. (Bennett 02-0045; Lücking/Cáceres s.n.)
 ****Arthonia caudata* Willey (Buck 41613, 41615)
 **Arthothelium spectabile* A. Massal. (Yahr 4244)
Aspicilia caesiocinerea (Nyl. ex Malbr.) Arnold (Bennett 02-0046; Lay 02-0044)
 **Aspicilia cinerea* (L.) Körb. (Buck 41624, 41625; Harris 45879; Lay 02-0045)
 **Aspicilia laevata* (Ach.) Arnold (Crane 02-394; Egan 15,846)
 ****Aspicilia moenium* (Vainio) Thor & Timdal (Buck 41632; Guccion s.n.; Ladd 23723; Lay 02-0047; Sliwa 1564)
Caloplaca feracissima H. Magn. (Buck 41619; Ladd 23727; Lay 02-0358)
Candelaria concolor (Dickson) Stein (Majestyk 2929)
 **Candelariella efflorescens* R. C. Harris & W. R. Buck (Ahti 61191)
Candelariella vitellina (Hoffm.) Müll. Arg. (Buck 41630; Ladd 23729)
Cetrelia chicitae (Culb.) Culb. & C. Culb. (Bennett 02-0047; Ketzner 2945)
Cetrelia olivetorum (Nyl.) Culb. & C. Culb. (Yahr 4259)
 **Cladonia amaurocraea* (Flörke) Schaerer (Egan 15,860)
Cladonia caespiticia (Pers.) Flörke (Ahti 61178; Harris 45880; Yahr 4255)
 ****Cladonia carneola* (Fr.) Fr. (Harris 45857)
Cladonia cenotea (Ach.) Schaerer (Harris 45864; Ahti 61186)
Cladonia cervicornis (Ach.) Flotow subsp. *verticillata* (Hoffm.) Ahti (Ahti 61182; Egan 15,843, 15,845; Flenniken 5860; Guccion s.n.)
Cladonia chlorophaea (Sommerf.) Spreng. (Flenniken 5864; Harris 45877; Trest 416)

- Cladonia coniocraea* (Flörke) Spreng. (Flenniken 5861, 5862, 5863; Harris 45890; Kneiper 2314)
- Cladonia crispata* (Ach.) Flotow var. *crispata* (Ahti 61184; Egan 15,844; Flenniken 5865)
- Cladonia cristatella* Tuck. (Ahti 61185; Bennett 02-0048; Egan 15,838; Flenniken 5866; Guccion s.n.; Harris 45889)
- Cladonia cryptochlorophaea* Asah. (Harris 45877)
- **Cladonia cylindrica* (A. Evans) A. Evans (Flenniken 5867; Yahr 4242)
- Cladonia furcata* (Hudson) Schrad. (Harris 45861)
- Cladonia gracilis* (L.) Willd. subsp. *turbinata* (Ach.) Ahti (Ahti 61183; Trest 415)
- **Cladonia grayi* G. Merr. ex Sandst. (Ahti 61162, 61163)
- **Cladonia humilis* (With.) J. R. Laundon (Ahti 61164)
- Cladonia macilenta* Hoffm. (Egan 15,842; Harris 45887)
- Cladonia macilenta* var. *bacillaris* (Genth.) Schaerer (Ahti 61187)
- Cladonia multiformis* G. Merr. (Bennett 02-0049; Lay 02-0054)
- Cladonia ochrochlora* Flörke (Ahti 61167, 61181; Harris 45873, 45875)
- **Cladonia peziziformis* (With.) J. R. Laundon (Kneiper 2321)
- Cladonia phyllophora* Hoffm. (Flenniken 5868; Harris 45888)
- Cladonia pleurota* (Flörke) Schaer. (Ahti 61170, 61171; Flenniken 5869)
- Cladonia pyxidata* (L.) Hoffm. (Ahti 61180; Flenniken 5870, 5871; Harris 45885)
- Cladonia rangiferina* (L.) F. H. Wigg. (Ahti 61174; Egan 15,837; Flenniken 5859; Harris 45870; Majestyk 2928)
- Cladonia squamosa* Hoffm. (Ahti 61179; Egan 15,861, 15,862; Flenniken 5872; Harris 45864A; Yahr 4239, 4243)
- Cladonia subulata* (L.) F. H. Wigg. (Ahti 61158)
- Dimelaena oreina* (Ach.) Norman (Lay 02-0057)
- Dimerella pineti* (Ach.) Vězda (Buck 41612)
- Diploschistes muscorum* (Scop.) R. Sant. (Buck 41621; Harris 45862)
- Diploschistes scruposus* (Schreber) Norman (Harris 45882; Lay 02-0059; Ketzner 2948; Yahr 4260)
- Eopyrenula intermedia* Coppins (Lücking/Cáceres s.n.)
- Evernia mesomorpha* Nyl. (Flenniken 5873, 5874)
- **Evernia prunastri* (L.) Ach. (Guccion s.n.)
- **Flavoparmelia baltimorensis* (Gyelnik & Fórius) Hale (Flenniken 5875)
- Flavoparmelia caperata* (L.) Hale (Ahti 61192; Cole 9535; Egan 15,848, 15,853; Flenniken 5876; Harris 45860, 45878)
- Flavopunctelia flaventior* (Stirton) Hale (Bennett 02-0050; Flenniken 5877)
- **Flavopunctelia soledica* (Nyl.) Hale (Flenniken 5878)
- Heterodermia speciosa* (Wulfen) Trevisan (May 6123)
- Hypogymnia physodes* (L.) Nyl. (Flenniken 5879; Guccion s.n.; Harris 45871)
- **Lecanora polytrapa* (Hoffm.) Rabenh. (Kneiper 2312)
- Lecanora strobilina* (Spreng.) Kieffer (Lücking/Cáceres s.n.)
- Lecanora symmicta* (Ach.) Ach. (Bennett 02-0052; Lücking/Cáceres s.n.; Yahr 4251)
- Lecanora thysanophora* R. C. Harris (Bennett 02-0053; Yahr 4241)
- Lepraria caesiocalba* (de Lesd.) J. R. Laundon (May 6137)
- Lepraria lobificans* Nyl. (Harris 45876; Majestyk 2962; May 6134)
- **Lepraria neglecta* (Nyl.) Erichsen (Ahti 61169; Egan 15,841; Yahr 4252)

- Leptogium cyanescens* (Rabenh.) Körb. (Buck 41610; Egan 15,850; Flenniken 5880; Yahr 4238)
- Lobaria pulmonaria* (L.) Hoffm. (Lücking/Cáceres s.n.)
- Melanelia disjuncta* (Erichsen) Essl. (Guccion s.n.)
- ****Melanelia soledata* (Ach.) Goward & Ahti (Buck 41623; Harris 45874; Ladd 23731; Lay 02-0386)
- Melanelia subaurifera* (Nyl.) Essl. (Flenniken 5881; Guccion s.n.; Yahr 4261)
- Micarea prasina* Fr. (Buck 41622)
- ****Mycoglaena meridionalis* (Zahlbr.) Szatala (Ladd 23724)
- Myelochroa aurulenta* (Tuck.) Elix & Hale (Egan 15,856; May 6122)
- Myelochroa galbina* (Ach.) Elix & Hale (Flenniken 5882)
- Ochrolechia arborea* (Kreyer) Almb. (Buck 41628; Ladd 23725)
- Parmelia squarrosa* Hale (Guccion s.n.)
- Parmelia sulcata* Taylor (Flenniken 5873; Guccion s.n.)
- Peltigera didactyla* (With.) J. R. Laundon (Harris 45858; Kneiper 2322; Trest 414)
- Peltigera elisabethae* Gyelnik (Bennett 02-0054; Egan 15,851; Harris 45886; May 6129; Yahr 4254)
- Peltigera evansiana* Gyelnik (Flenniken 5874)
- Peltigera praetextata* (Sommerf.) Zopf (Flenniken 5875)
- **Peltigera polydactylon* (Necker) Hoffm. (Crane 02-389; Trest 412)
- Peltigera rufescens* (Weiss) Humb. (Ahti 61165; Guccion s.n.)
- Phaeocalicium curtisii* (Tuck.) Tibell (Ahti 61172; Buck 41626; Cole 9532; Guccion s.n.; Harris 45869; Kneiper 231; Ladd 23721; Lay 02-0033; Majestyk 2961; May 6127; Sliwa 1565; Yahr 4253)
- Phaeocalicium polyporaum* (Nyl.) Tibell (Buck 41609)
- Phaeophyscia pusilloides* (Zahlbr.) Essl. (Ahti 61188; May 6132)
- Phaeophyscia rubropulchra* (Degel.) Essl. (Egan 15,855; May 6132)
- Physcia aipolia* (Humb.) Fűrnr. (Guccion s.n.)
- **Physcia phaea* (Tuck.) J. W. Thomson (Flenniken 5886)
- Physcia stellaris* (L.) Nyl. (Flenniken 5887, 5888, 5889, 5890, 5891)
- Physcia subtilis* Degel. (Cole 9537; Flenniken 5892; Yahr 4248)
- Physconia detera* (Nyl.) Poelt (Ahti 61189, 61190)
- Physconia leucoleiptes* (Tuck.) Essl. (Egan 15,857)
- Porpidia albocaerulescens* (Wulfen) Hertel & Knoph (Bennett 02-0055; Buck 41614; Egan 15,858)
- ***Porpidia tuberculosa* (Sm.) Hertel & Knoph (Buschbom s.n.)
- Punctelia rudecta* (Ach.) Krog (Egan 15,854; Harris 45868; Ketzner 2946)
- Ramalina americana* Hale (Flenniken 5893, 5894; Yahr 4249)
- Ramalina intermedia* (Nyl.) Nyl. (Ladd 23727; Yahr 4247)
- ****Rhizocarpon rubescens* Th. Fr. (Egan 15,839; Harris 45863; Lay 02-0067, 02-0068; Majestyk 2963; May 6126)
- **Rhizoplaca chrysoleuca* (Sm.) Zopf (Egan 15,849)
- Rhizoplaca subdiscrepans* (Nyl.) R. Sant. (Crane 02-390; Lay 02-0069)
- Sarcogyne regularis* Körb. (Buck 41629; Lay 02-0071; Sliwa 1563)
- ****Stenocybe pullatula* (Ach.) Stein (Buck 41618)
- **Stereocaulon saxatile* H. Magn. (Flenniken 5895)
- ****Stigmidium fuscatae* (Arnold) R. Sant. (Harris 45863A)
- Strigula stigmatella* (Ach.) R. C. Harris (Buck 41616)

- **Trapeliopsis flexuosa* (Fr.) Coppins & P. James (Ahti 61168; Kneiper 2310)
Trapeliopsis granulosa (Hoffm.) Lumbsch (Lay 02-0419)
Tuckermannopsis americana (Spreng.) Hale (Flenniken 5896)
 **Tuckermannopsis sepincola* (Ehrh.) Hale (Flenniken 5897)
Umbilicaria mamulata (Ach.) Tuck. (Ahti 61176; Bennett 02-0056; Buck 41607; Egan 15,859; Harris 45865; Lücking/Cáceres s.n.; Ketzner 2944; Yahr 4245)
 **Umbilicaria muehlenbergii* (Ach.) Tuck. (Ahti 61173; Yahr 4246)
Usnea hirta (L.) F. H. Wigg. (Flenniken 5898)
 **Usnea subfloridana* Stirton (Flenniken 5899, 5900)
Xanthoparmelia conspersa (Ach.) Hale (Egan 15,840a; Flenniken 5901; Harris 45872)
Xanthoparmelia cumberlandia (Gyelnik) Hale (Ahti 61166; Cole 9534; Egan 15,836; Harris 45867, 45884, 45891A; Lücking/Cáceres s.n.)
Xanthoparmelia plittii (Gyelnik) Hale (Bennett 02-0058; Buck 41617; Egan 15,840; Harris 45881; Kneiper 239)
 **Xanthoparmelia somloënsis* (Gyelnik) Hale (Flenniken 5902; Guccion s.n.)
Xanthoria hasseana Räsänen (Crane 02-386; Flenniken 5903; Guccion s.n.)

WI. Oneida County: Town of Enterprise, Oneida County Forest, 0.2 mi N of South Exit off Langlade Co. Hwy Q, T.35N., R.9E., sec. 34, 45°28'22"N 89°21'54"W, ca. 500 m; upland mixed hardwood forest. 27 April 2002

- Amandinea polyspora* (Willey) E. Lay & P. May (Butler 1509d)
Anisomeridium polypori (Ellis & Everh.) M.E. Barr (Guccion s.n.)
Arthonia caesia (Flotow) Körb. (Butler 1509c; Lay 02-0040)
Arthonia radiata (Pers.) Ach. (Ladd 23733)
 **Arthrosporum populorum* A. Massal. (Lay 02-0043)
Bacidia diffracta S. Ekman (Buck 41641)
Bacidia rubella (Hoffm.) A. Massal. (Harris 45896)
 ****Biatora longispora* (Degel.) Printzen (Egan 15,864)
Caloplaca cerina (Hedw.) Th. Fr. (Guccion s.n.)
 **Caloplaca holocarpa* (Hoffm. ex Ach.) M. Wade (Crane 02-396; Yahr 4262)
Candelaria concolor (Dickson) Stein (Egan 15,868; Lay 02-0361)
Candelaria fibrosa (Fr.) Müll. Arg. (Flenniken 5942; Harris 45893)
Candelariella vitellina (Hoffm.) Müll. Arg. (Lay 02-0052)
Cladonia caespiticia (Pers.) Flörke (Guccion s.n.)
Cladonia chlorophaea (Sommerf.) Spreng. (Flenniken 5943)
Conotrema urceolatum (Ach.) Tuck. (Bennett 02-0059; Buck 41637; Lücking/Cáceres s.n.; May 6146; Yahr 4264)
Eopyrenula intermedia Coppins (Harris 45906; May 6145)
Evernia mesomorpha Nyl. (Flenniken 5944)
Flavoparmelia caperata (L.) Hale (Flenniken 5945)
 **Flavopunctelia soredica* (Nyl.) Hale (Flenniken 5946)
Graphis scripta (L.) Ach. (Buck 41642; Crane 02-406; Egan 15,865; Lücking/Cáceres s.n.; Majestyk 2981)
Julella fallaciosa (Arnold) R. C. Harris (Buck 41639; Butler 1508b; Crane 02-398, 02-404; Ladd 23734; Lay 02-0096; Lücking/Cáceres s.n.)
Lecanora allophana Nyl. (Bennett 02-0060; Yahr 4269)
Lecanora caesiorubella Ach. (May 6142)

- Lecanora glabrata* (Ach.) Malme (Buck 41638)
Lecanora hybocarpa (Tuck.) Brodo (Buck 41644; Harris 45905; May 6141, 6143; Yahr 4263, 4268)
Lecanora impudens Degel. (Bennett 02-0061)
Lecanora symmicta (Ach.) Ach. (Bennett 02-0062; Crane 02-397)
Lecanora thysanophora R. C. Harris (Bennett 02-0063; Buck 41633; Butler 1509b; Egan 15,866; Guccion s.n.; Lücking/Cáceres s.n.; Yahr 4270)
Melanelia olivacea (L.) Essl. (Flenniken 5947)
Melanelia septentrionalis (Lyng.) Essl. (Lay 02-0385)
 ****Melanelia sorediata* (Ach.) Goward & Ahti (May 6124, 6125)
Melanelia subaurifera (Nyl.) Essl. (Flenniken 5948; Lay 02-0388; Yahr 4267)
 ****Mycocalicium albonigrum* (Nyl.) Fink (Buck 41645)
 **Mycocalicium subtile* (Pers.) Szatala (Crane 02-405; Lay 02-0031)
Myelochroa aurulenta (Tuck) Elix & Hale (Flenniken 5949, 5950; Guccion s.n.; Ketzner 2955)
Myelochroa galbina (Ach.) Elix & Hale (Flenniken 5951)
 **Myelochroa obsessa* (Ach.) Elix & Hale (Crane 02-403)
 ****Nectriopsis parmeliae* (Berk. & M. A. Curtis) M. S. Cole & D. Hawksw. (Harris 45892)
Parmelia squarrosa Hale (Flenniken 5952; Harris 45901)
Parmelia sulcata Taylor (Flenniken 5953)
Peltigera didactyla (With.) J. R. Laundon (May 6136)
Peltigera praetextata (Sommerf.) Zopf (Flenniken 5954; Harris 45894)
Peltigera rufescens (Weiss) Humb. (Flenniken 5955)
Phaeophyscia ciliata (Hoffm.) Moberg (Guccion s.n.)
Phaeophyscia hirtella Essl. (Buck 41647)
Phaeophyscia pusilloides (Zahlbr.) Essl. (Flenniken 5956)
Phaeophyscia rubropulchra (Degel.) Essl. (Butler 1508a; Flenniken 5957; Guccion s.n.)
Phaeophyscia squarrosa Kashiwadani (Harris 45900; Yahr 4265)
 ****Phoma physciicola* Keissler (Buck 41648)
Physcia aipolia (Humb.) Fűrnr. (Bennett 02-0064; Flenniken 5958; Guccion s.n.; Majestyk 2983)
Physcia millegrana Degel. (Butler 1509a; Flenniken 5959; Harris 45897; Yahr 4266;)
Physcia stellaris (L.) Nyl. (Egan 15,863)
Physconia detersa (Nyl.) Poelt (Crane 02-402; Flenniken 5960; Guccion s.n.; Harris 45904)
Physconia leucoleiptes (Tuck.) Essl. (Bennett 02-0065)
Punctelia rudecta (Ach.) Krog (Flenniken 5961, Guccion s.n.; Lay 02-0408)
Pyxine sorediata (Ach.) Mont. (Flenniken 5961; Harris 45903; Lay 02-0411)
Ramalina americana Hale (Cole 9565; Flenniken 5962, 5963; May 6139)
 **Rinodina glauca* Ropin (Lay 02-0415)
 **Rinodina populicola* H. Magn. (Lay 02-0198)
Scoliciosporum chlorococcum (Stenh.) Vězda (Lay 02-0416)
Strangospora microhaema (Norman) R. Anderson (Harris 45903A)
Xanthoria fallax (Hepp) Arnold (Flenniken 5964)
Xanthoria fulva (Hoffm.) Poelt & Petutschnig (Harris 45898)
Xanthoria hasseana Räsänen (Guccion s.n.; Lay 02-0073; Majestyk 2984)
 **Xanthoria polycarpa* (Hoffm.) Rieber (Flenniken 5965)

**Xanthoria ulophyllodes* Räsänen (Crane 02-401; Egan 15,867)

WI. Vilas County: Town of Arbor Vitae, Northern Highland State Forest, Trout Lake Conifer Swamp State Natural Area, just N of Co. Hwy M at E end of Perch Lane, T.41N., R.7E., sec. 19, 46°00'52"N, 89°39'26"W, ca. 466 m; mixed *Thuja-Picea* swamp. 28 April 2002

- Anisomeridium polypori* (Ellis & Everh.) M. E. Barr (Buck 41682)
Arthonia fuliginosa (Schaerer) Flotow (Bennett 02-0067; Harris 45917, 45934A; Yahr 4289)
Bacidia circumspecta (Vainio) Malme (Harris 45927)
Bacidia diffracta S. Ekman (Harris 45945; Ladd 23753)
Bacidia rubella (Hoffm.) A. Massal (Lücking/Cáceres s.n.)
Bacidia schweinitzii (Michener) A. Schneider (Buck 41711; Crane 02-417; Egan 15,879, 15,888; Guccion s.n.; Lay 02-0345; Lücking/Cáceres s.n.; Majestyk 3006; Yahr 4288)
****Biatora toensbergii* Holien & Printzen (Buck 41666, 41677, 41699)
Bryoria furcellata (Fr.) Brodo & D. Hawksw. (Bennett 02-0068; Guccion s.n.; Lay 02-0349; Yahr 4285)
Bryoria trichodes (Michx.) Brodo & D. Hawksw. ssp. *trichodes* (Buck 41722; Egan 15,871)
Buellia disciformis (Fr.) Mudd [*Hafellia disciformis* (Fr.) Marbach & H. Mayrhofer] (Yahr 4286)
Buellia erubescens Arnold (Lücking/Cáceres s.n.)
Buellia schaeferi De Not. (Buck 41695)
Buellia stillingiana J. Steiner (Buck 41673, 41696; Lücking/Cáceres s.n.)
Calicium parvum Tibell (Buck 41685; Lay 02-0023)
**Calicium trabinellum* (Ach.) Ach. (Trest 449)
Cetrelia olivetorum (Nyl.) Culb. & C. Culb. (Egan 15,877; Harris 45916)
Chaenotheca brunneola (Ach.) Müll. Arg. (Buck 41705; Kneiper 258; Lay 02-0024)
Chaenotheca ferruginea (Turner ex Sm.) Migula (Buck 41672; Ladd 23744; Lay 02-0365)
Chaenotheca furfuracea (L.) Tibell (Buck 41687)
Chaenotheca laevigata Nádv. (Harris 45918; Ladd 23761)
Chaenotheca stemonea (Ach.) Müll. Arg. (Buck 41713, 41715)
Chaenotheca trichialis (Ach.) Th. Fr. (Harris 45925; Ladd 23760; Lay 02-0028, 02-0029)
Chaenothecopsis savonica (Räsänen) Tibell (Buck 41720; Kneiper 252)
****Chrysothrix candelaris* (L.) J. R. Laundon (Kneiper 257)
Conotrema urceolatum (Ach.) Tuck. (Lücking/Cáceres s.n.)
Cresponea chloroconia (Tuck.) Egea & Torrente (Buck 41684; Egan 15,876; Harris 45935, 45947, 45949; Ladd 23750; Lay 02-0055, 02-0370)
Dimerella lutea (Dickson) Trevisan (Lücking/Cáceres s.n.; Yahr 4287, 4290)
Evernia mesomorpha Nyl. (Egan 15,881; Harris 45910; Lay 02-0373)
**Evernia prunastri* (L.) Ach. (Guccion s.n.)
Flavoparmelia caparata (L.) Hale (Egan 15,880; Guccion s.n.; Harris 45931)
Graphis scripta (L.) Ach. (Bennett 02-0069; Harris 45943; Lücking/Cáceres s.n.; Majestyk 3001)
Heterodermia speciosa (Wulfen) Trevisan (Buck 41691; Butler 1512e; Egan 15,889)
Hypogymnia physodes (L.) Nyl. (Butler 1510a; Egan 15,886; Guccion s.n.; Harris 45942)
Icmadophila ericetorum (L.) Zahlbr. (Buck 41667)

- *Lecania naegelii* (Hepp) Diederich & v.d. Boom (Yahr 4281)
Lecanora albella (Pers.) Ach. (Egan 15,874; Lücking/Cáceres s.n.)
Lecanora albella var. *rubescens* (Imshaug & Brodo) Lumbsch (Buck 41675; Harris 45938)
**Lecanora casiorubella* Ach. (Yahr 4273)
****Lecanora meridionalis* H. Magn. (Buck 41676, 41697; Harris 45909, 45919, 45940)
Lecanora rugosella Zahlbr. (Buck 41698, 41707)
Lecanora symmicta (Ach.) Ach. (Lücking/Cáceres s.n.)
Lecanora wisconsinensis H. Magn. (Buck 41670, 41690, 41714; Egan 15,955; Harris 45922, 45923, 45924)
****Lepraria rigidula* (de Lesd.) Tønsberg (Harris 45912, 45951)
Lobaria quercizans Michx. (Cole 9543; Guccion s.n.)
****Lopadium disciforme* (Flotow) Kullhem (Buck 41694)
Loxospora cismonica (Beltr.) Hafellner (Buck 41719; Harris 45936)
Loxospora elatina (Ach.) A. Massal. (Buck 41704; Egan 15,882; Guccion s.n.; Harris 45926, 45946; Ladd 23741)
Loxospora pustulata (Brodo & Culb.) R. C. Harris (Bennett 02-0072; Crane 02-411; Guccion s.n.)
Melanelia subaurifera (Nyl.) Essl. (Guccion s.n.)
**Menegazzia terebrata* (Hoffm.) A. Massal (Kneiper 2510; Majestyk 2985)
Micarea melaena (Nyl.) Hedl. (Buck 41671)
****Multiclavula mucida* (Fr.) R. Petersen (Buck 41669)
Mycocalicium subtile (Pers.) Szatala (Buck 41674; Harris 45915; Kneiper 256; Lay 02-0064, 02-0389)
Myelochroa aurulenta (Tuck.) Elix & Hale (Egan 15,894)
Myxobilimbia sabuletorum (Schreber) Hafellner (Buck 41701, 41721; Egan 15,895)
Ochrolechia androgyna (Hoffm.) Arnold (Buck 41717)
Ochrolechia arborea (Kreyer) Almb. (Bennett 02-0073; Butler 1512b))
Ochrolechia trochophora (Vainio) Oshio (Ladd 23762; Lay 02-0391)
****Opegrapha diffracticola* R. C. Harris & D. Ladd (Harris 45945A)
Opegrapha varia Pers. (Harris 45939; Lay 02-0392; Yahr 4280)
****Opegrapha vulgata* Ach. (Buck 41709)
Parmelia squarrosa Hale (Bennett 02-0074; Egan 15,872; Guccion s.n.; Harris 45933)
Parmelia sulcata Taylor (Butler 1510b; Guccion s.n.)
Parmotrema crinitum (Ach.) M. Choisy (Butler 1512c; Egan 15,887, 15,891; Harris 45913)
Pertusaria amara (Ach.) Nyl. (Egan 15,870; Guccion s.n.; Harris 45920, 45950; Lay 02-0394)
Pertusaria consocians Dibben (Buck 41686; Harris 45908, 45934, 45944)
Pertusaria macounii (Lamb) Dibben (Yahr 4277)
Pertusaria multipunctoides Dibben (Buck 41692)
Pertusaria ophthalmiza (Nyl.) Nyl. (Bennett 02-0075; Buck 41679; Guccion s.n.; Harris 45929, 45941; Lay 02-0395; Lücking/Cáceres; Yahr 4272)
Pertusaria rubefacta Erichsen (Buck 41681, 41710)
Pertusaria trachythallina Erichsen (Buck 41718)
Pertusaria velata (Turner) Nyl. (Buck 41716)
**Phaeophyscia cernohorskyi* (Nádv.) Essl. (Yahr 4278)
Phaeophyscia rubropulchra (Degel.) Essl. (Butler 1512f)

- Phlyctis argena* (Spreng.) Flotow (Buck 41683; Harris 45948; Ladd 23751)
Platismatia tuckermanii (Oakes) Culb. & C. Culb. (Egan 15,885, 15,890; Harris 45932; Majestyk 2995, 2999)
Punctelia rudecta (Ach.) Krog (Butler 1511; Crane 02-416; Guccion s.n.; Harris 45930)
Punctelia subrudecta (Nyl.) Krog (Egan 15,884)
 ****Pyrenula laevigata* (Pers.) Arnold (Buck 41678)
 **Pyrenula pseudobufonia* (Rehm) R. C. Harris (Yahr 4271)
Pyxine soorediata (Ach.) Mont. (Egan 15,878; Guccion s.n.; Lay 02-0412)
Rinodina degeliana Coppins (Harris 45911)
Rinodina excrescens Vainio (Buck 41689; Harris 45919A)
Strigula stigmatella (Ach.) R. C. Harris (Buck 41668, 41680)
 ****Thelenella pertusariella* (Nyl.) Vainio (Harris 45921)
Trapeliopsis viridescens (Schrad.) Coppins & P. James (Buck 41700)
Usnea cavernosa Tuck. (Crane 02-414; Egan 15,869; Guccion s.n.; Harris 45952; Kneiper 251)
Usnea hirta (L.) F. H. Wigg. (Yahr 4283)
Usnea subfloridana Stirton (Crane 02-415; Harris 45953)
 **Usnea trichodea* Ach. (Yahr 4284)

WI. Oneida County: Town of Woodruff, Northern Highland State Forest, Hemlock Lake Boat Ramp along Woodruff Road on SW shore of Hemlock Lake, T.39N., R.7E., sec. 17, 18, 45°52'24"N, 89°39'17"W, ca. 534 m; mature hemlock forest. 28 April 2002

- Arthonia caesia* (Flotow) Körb. (Buck 41725)
 ****Arthonia caudata* Willey (Buck 41726)
 ****Arthonia helvola* (Nyl.) Nyl. (Buck 41732; Lay 02-0041)
 ****Biatora toensbergii* Holien & Printzen (Lay 02-0050)
Bryoria furcellata (Fr.) Brodo & D. Hawksw. (Guccion s.n.; Harris 45961)
Buellia arnoldii Servit & Nádv. (Lay 02-0051)
Buellia dialyta (Nyl.) Tuck. [*Chrimofulvea dialyta* (Nyl.) Marbach] (Bennett 02-0077; Buck 41727; Egan 15,899; Guccion s.n.; Lay 02-0350)
Buellia schaereri De Not. (Harris 45959; Lay 02-0353)
Calicium parvum Tibell (Lay 02-0038)
Candelaria concolor (Dickson) Stein (Crane 02-426)
Chaenotheca furfuracea (L.) Tibell (Lay 02-0025)
Cladonia macilenta Hoffm. (Harris 45960)
Cladonia ochrochlora Flörke (Harris 45956)
Cladonia rangiferina (L.) F. H. Wigg. (Egan 15,901)
Conotrema urceolatum (Ach.) Tuck. (Lay 02-0369)
Evernia mesomorpha Nyl. (Cole 9562; Egan 15,903; Kneiper 261)
Flavoparmelia caperata (L.) Hale (Crane 02-425; Ketzner 2967)
Graphis scripta (L.) Ach. (Crane 02-423; Lay 02-0377; Majestyk 3029)
Hypocenomyce scalaris (Ach.) M. Choisy (Harris 45962)
Hypogymnia physodes (L.) Nyl. (Crane 02-424; Guccion s.n.)
Lecanora pulicaris (Pers.) Ach. (Buck 41729)
Lecanora thysanophora R. C. Harris (Harris 45954)
 **Lepraria incana* (L.) Ach. (Crane 02-422)

- Lobaria pulmonaria* (L.) Hoffm. (Egan 15,896; Majestyk 3030)
Lobaria quercicans Michx. (Cole 9563)
Loxospora elatina (Ach.) A. Massal. (Harris 45958; Lay 02-0382)
 ****Micarea endocyanea* (Willey) R. C. Harris (Buck 41724, 41728)
Pertusaria macounii (Lamb) Dibben (Egan 15,900)
Phaeophyscia rubropulchra (Degel.) Essl. (Egan 15,897)
Phlyctis argena (Spreng.) Flotow (Harris 45963)
Physcia millegrana Degel. (Egan 15,898)
Punctelia subrudecta (Nyl.) Krog (Guccion s.n.)
Ramalina americana Hale (Egan 15,898)
Rinodina subminuta H. Magn. (Harris 45957)
Scoliciosporum chlorococcum (Stenh.) Vězda (Buck 41730)
Tuckermannopsis americana (Spreng.) Hale (Guccion s.n.)
Usnea hirta (L.) F. H. Wigg. (Egan 15,902)

WI. Oneida County: Town of Minocqua, Patterson Hemlocks State Natural Area, 1.2 mi S of St. Hwy 70 on West Clear Lake Road, T.39N., R.4E., sec. 3, 45°53'51"N, 89°57'45"W, ca. 500 m; *Thuja* swamp adjacent to a hemlock-hardwood forest. 29 April 2002

- ****Abrothallus microspermus* Tul. (Buck 41746)
Anaptychia palmulata (Michx.) Vainio (Harris 45983)
Anisomeridium polyperi (Ellis & Everh.) M. E. Barr (Buck 41790)
 ****Arthonia apatetica* (A. Massal.) Th. Fr. (Harris 45988A)
Arthonia byssacea (Weigel) Almq. (Buck 41792; Harris 45975, 45991, 46021)
Arthonia caesia (Flotow) Körb. (Harris 45997B)
Arthonia didyma Körb. (Harris 45996)
Arthonia fuliginosa (Schaefer) Flotow (Harris 46013)
Bacidia bagliettoana (Massal. & De Not.) Jatta (Buck 41815A; Lay 02-0346)
Bacidia diffracta S. Ekman (Buck 41783)
Bacidia schweinitzii (Michener) A. Schneider (Crane 02-437; Egan 15,928; Harris 45992, 46003A; Lay 02-0344)
Bacidia suffusa (Fr.) A. Schneider (Butler 1521a; Harris 45993, 46002, 46003)
 ****Biatora longispora* (Degel.) Printzen (Buck 41733, 41738, 41747, 41768; Harris 45967A, 45988, 46018)
Buellia dialyta (Nyl.) Tuck. [*Chrimofulvea dialyta* (Nyl.) Marbach] (Egan 15,911; Harris 45969, 46005; Lay 02-0351, 02-0352)
Buellia schaeferi De Not. (Lay 02-0354)
Candelariella vitellina (Hoffm.) Müll. Arg. (Harris 46007A)
 ****Catillaria nigroclavata* (Nyl.) Schuler (Lay 02-0053)
Cetrelia cetrarioides (Dulby) Culb. & C. Culb. (May 6149)
Cetrelia chicitae (Culb.) Culb. & C. Culb. (Egan 15,922, 15,930; Flenniken 5918, 5919; Harris 46038)
Cetrelia olivetorum (Nyl.) Culb. & C. Culb. (Egan 15,932; May 6148)
Chaenotheca chrysocephala (Ach.) Th. Fr. (Bennett 02-0079; Egan 15,912)
Chaenotheca furfuracea (L.) Tibbell (Lay 02-0364)
 ****Chaenotheca gracillima* (Vainio) Tibbell (Lay 02-0026)
Chaenotheca laevigata Nádv. (Buck 41785; Lay 02-0366)

- Chaenotheca trichialis* (Ach.) Th. Fr. (Buck 41798, 41799, 41800; Lay 02-0030)
- Chaenothecopsis savonica* (Räsänen) Tibell (Lay 02-0027, 02-0032)
- ****Chrysothrix candelaris* (L.) J. R. Laundon (Buck 41811)
- Cladonia caespiticia* (Pers.) Flörke (Harris 46016; Lay 02-0367)
- Cladonia chlorophaea* (Sommerf.) Spreng. (Flenniken 5920; Harris 46036)
- Cladonia coniocraea* (Flörke) Spreng. (Flenniken 5904; Harris 46020)
- Cladonia fimbriata* (L.) Fr. (Flenniken 5905)
- **Cladonia grayi* G. Merr. ex Sandst. (Egan 15,920)
- Cladonia squamosa* Hoffm. (Egan 15,933; Flenniken 5921; Harris 45026, 45973)
- Conotrema urceolatum* (Ach.) Tuck. (Crane 02-438; Guccion s.n.; Harris 45009)
- Cresponea chloroconia* (Tuck.) Egea & Torrente (Harris 45986A, 45998, 46047; Lay 02-0056)
- ****Dactylospora lobariella* (Nyl.) Hafellner (Harris 45970A)
- Dimerella lutea* (Dickson) Trevisan (Buck 41796)
- Dimerella pineti* (Ach.) Vězda (Buck 41748, 41754)
- ****Distopyrenis americana* Aptroot (Harris 45976)
- Eopyrenula intermedia* Coppins (Harris 46003B)
- ****Epigloea soleiformis* Döbblers (Buck 41784, 41802)
- Evernia mesomorpha* Nyl. (Egan 15,924; Flenniken 5906)
- **Evernia prunastri* (L.) Ach. (Guccion s.n.)
- Flavoparmelia caperata* (L.) Hale (Egan 15,917; Flenniken 5907; Guccion s.n.)
- **Flavopunctelia soredica* (Nyl.) Hale (Egan 15,787)
- ****Fuscidea pusilla* Tønsberg (Buck 41769; Harris 46008)
- ****Fuscopannaria ahlneri* (P. M. Jørg.) P. M. Jørg. (Buck 41814)
- Graphis scripta* (L.) Ach. (Bennett 02-0081; Egan 15,938; Harris 45979)
- Heterodermia speciosa* (Wulfen) Trevisan (Egan 15,934; Flenniken 5908)
- Hypogymnia physodes* (L.) Nyl. (Bennett 02-0082, 02-0083, 02-0084; Flenniken 5922; Guccion s.n.; Lay 02-0380)
- ****Hypotrachyna revoluta* (Flörke) Hale (Egan 15,936)
- **Imshaugia aleurites* (Ach.) S. F. Meyer (Ketzner 2983)
- ****Lecanora meridionalis* H. Magn. (Buck 41778; Harris 46041)
- Lecanora rugosella* Zahlbr. (Buck 41805; May 6157)
- Lecanora thysanophora* R. C. Harris (Guccion s.n.; Harris 45980, 46014, 46017)
- Lecanora wisconsinensis* H. Magn. (Buck 41765)
- Lecidea berengeriana* (Massal.) Nyl. [*Mycobilimbia berengeriana* (A. Masal.) Hafellner] (Buck 41779, 41808)
- Lepraria lobificans* Nyl. (Harris 46004)
- Lithothelium hyalosporum* (Nyl.) Aptroot (Buck 41749; Harris 45968, 45985, 45986)
- ****Lithothelium septemseptatum* (R. C. Harris) Aptroot (Harris 45995)
- Lobaria pulmonaria* (L.) Hoffm. (Buck 41759; Egan 15,908, 15,913; Flenniken 5909; Harris 45025; Lay 02-0381; Majestyk 3057)
- Lobaria quercizans* Michx. (Egan 15,907; Guccion s.n.; Harris 45970)
- Loxospora cismonica* (Beltr.) Hafellner (Buck 41773; Guccion s.n.; Harris 46027; May 6156B; Lay 02-0383)
- Loxospora elatina* (Ach.) A. Massal. (Harris 45982; May 6156A, 6150, 6157)
- Loxospora pustulata* (Brodo & Culb.) R. C. Harris (Guccion s.n.; Harris 46019, 46035; May 6153)
- Melanelia septentrionalis* (Lynge) Essl. (Harris 45997)

- Melanelia subaurifera* (Nyl.) Essl. (Flenniken 5910; Guccion s.n.; Harris 45997A, 46034; Lay 02-0387)
- Menegazzia terebrata* (Hoffm.) A. Massal. (Bennett 02-0087; Buck 41781; Egan 15,921, 15,931; Flenniken 5923; Ketzner 2981; Lay 02-0063)
- Micarea melaena* (Nyl.) Hedl. (May 6164)
- Micarea peliocarpa* (Anzi) Coppins & R. Sant. (Buck 41794, 41803, 41809, 41810; May 6153)
- Micarea prasina* Fr. (Buck 41735, 41744, 41751, 41756)
- Myelochroa aurulenta* (Tuck.) Elix & Hale (Harris 45984; Ketzner 2955)
- Myelochroa galbina* (Ach.) Elix & Hale (Harris 45971, 46007)
- ****Normandina pulchella* (Borrer) Nyl. (Bennett 02-0088; Buck 41786; Lay 02-0065)
- Ochrolechia arborea* (Kreyer) Almb. (Bennett 02-0089)
- Ochrolechia trochophora* (Vainio) Oshio (Buck 41742; Egan 15,906)
- ****Opegrapha diffracticola* R. C. Harris & D. Ladd (Buck 41783A)
- Opegrapha varia* Pers. (Buck 41776)
- ****Opegrapha vulgata* Ach. (Harris 46000)
- **Parmelia saxatilis* (L.) Ach. (Flenniken 5924)
- Parmelia squarrosa* Hale (Egan 15,916; Flenniken 5925, 5926, 5927; Guccion s.n.; Harris 45965)
- Parmelia sulcata* Taylor (Flenniken 5911, 5912; Guccion s.n.; Harris 45972)
- Parmotrema chinense* (Osbeck) Hale & Ahti (Harris 46028)
- Parmotrema crinitum* (Ach.) M. Choisy (Bennett 02-0090; Egan 15,915, 15,918; Flenniken 5928, 5929; Guccion s.n.; Harris 45024, 46031; Ketzner 2982; Lay 02-0393; May 6147)
- Peltigera canina* (L.) Willd. (Flenniken 5930)
- Peltigera didactyla* (With.) J. R. Laudon (Crane 02-436)
- Peltigera elisabethae* Gyelnik (Bennett 02-0091; Harris 46045; Lay 02-0066)
- Peltigera horizontalis* (Hudson) Baumg. (Egan 15,914)
- Pertusaria amara* (Ach.) Nyl. (Bennett 02-0092; Buck 41797, 41807; Harris 46040; May 6158)
- Pertusaria macounii* (Lamb) Dibben (Buck 41741, 41766; Harris 45999)
- Pertusaria ophthalmiza* (Nyl.) Nyl. (Buck 41804, 41806; Butler 1520d; Harris 46042; May 6156C)
- Pertusaria trachythallina* Erichsen (Guccion s.n.; Harris 45976A)
- Pertusaria velata* (Turner) Nyl. (Buck 41737; Guccion s.n.)
- Phaeophyscia pusilloides* (Zahlbr.) Essl. (Harris 45990)
- Phaeophyscia rubropulchra* (Degel.) Essl. (Flenniken 5931; Harris 45978, 45989, 46011; Lay 02-0401)
- Physcia stellaris* (L.) Nyl. (Flenniken 5913)
- Physconia detera* (Nyl.) Poelt (Flenniken 5914)
- Platismatia tuckermanii* (Oakes) Culb. & C. Culb. (Bennett 02-0094; Crane 02-435; Egan 15,909, 15,927; Flenniken 5932; Guccion s.n.; Harris 46023; Ketzner 2970; Lay 02-0406)
- Pseudocyphellaria crocata* (L.) Vainio (Buck 41815)
- Punctelia rudecta* (Ach.) Krog (Egan 15,937; Flenniken 5933, 5934; Ketzner 2976; Lay 02-0407)
- Punctelia subrudecta* (Nyl.) Krog (Egan 15,910, 15,925; Harris 45994, 46032, 46046)
- ****Pyrenula laevigata* (Pers.) Arnold (Buck 41753, 41762)

- Pyxine soredata* (Ach.) Mont. (Egan 15,935; Flenniken 5915; Guccion s.n.; Harris 45964; Ketzner 2980; Lay 02-010, 02-0413)
- Ramalina americana* Hale (Bennett 02-0095; Egan 15,904; Flenniken 5935, 5936; Guccion s.n.; Harris 46001)
- Ramalina dilacerata* (Hoffm.) Hoffm. (Kneiper 272)
- Rinodina ascociscana* Tuck. (Bennett 02-0096; Buck 41758; Harris 46015; Lay 02-0070)
- Rinodina degeliana* Coppins (Harris 46018A)
- Rinodina pachysperma* H. Magn. (Butler 1520a)
- Rinodina subminuta* H. Magn. (Buck 41734, 41750; Harris 45967, 45988B, 46010; Lay 02-0196)
- Sphinctrina anglica* Nyl. (Buck 41782; Lay 02-0034)
- Sphinctrina turbinata* (Pers.: Fr.) De Not. (Buck 41761; Lay 02-0036)
- ****Sticta fuliginosa* (Hoffm.) Ach. (Wetmore 87685)
- Strigula stigmatella* (Ach.) R. C. Harris (Buck 41788, 41793, 41801, 41813; Lay 02-0418; May 6154)
- Trapeliopsis flexuosa* (Fr.) Coppins & P. James (Buck 41795)
- Trapeliopsis viridescens* (Schrad.) Coppins & P. James (Buck 41755, 41771)
- Tuckermannopsis americana* (Spreng.) Hale (Egan 15,923, 15,969; Flenniken 5916; Guccion s.n.; Harris 45981)
- Usnea cavernosa* Tuck. (Buck 41791; Guccion s.n.; Harris 46029, 46030)
- **Usnea filipendula* Stirton (Flenniken 5937)
- ****Usnea fulvoreagens* (Räsänen) Räsänen (Harris 46033A, 46039)
- Usnea glabrescens* (Vainio) Vainio (Harris 46033)
- Usnea hirta* (L.) F. H. Wigg. (Flenniken 5938)
- Usnea subfloridana* Stirton (Bennett 02-0097; Flenniken 5939, 5940; Harris 46033B)
- Vulpicida pinastri* (Scop.) J.-E. Mattsson & M. J. Lai (Kneiper 271; Lücking/Cáceres s.n.)
- Xanthoria hasseana* Räsänen (Harris 46012)

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