

LEPAGEA n° 24

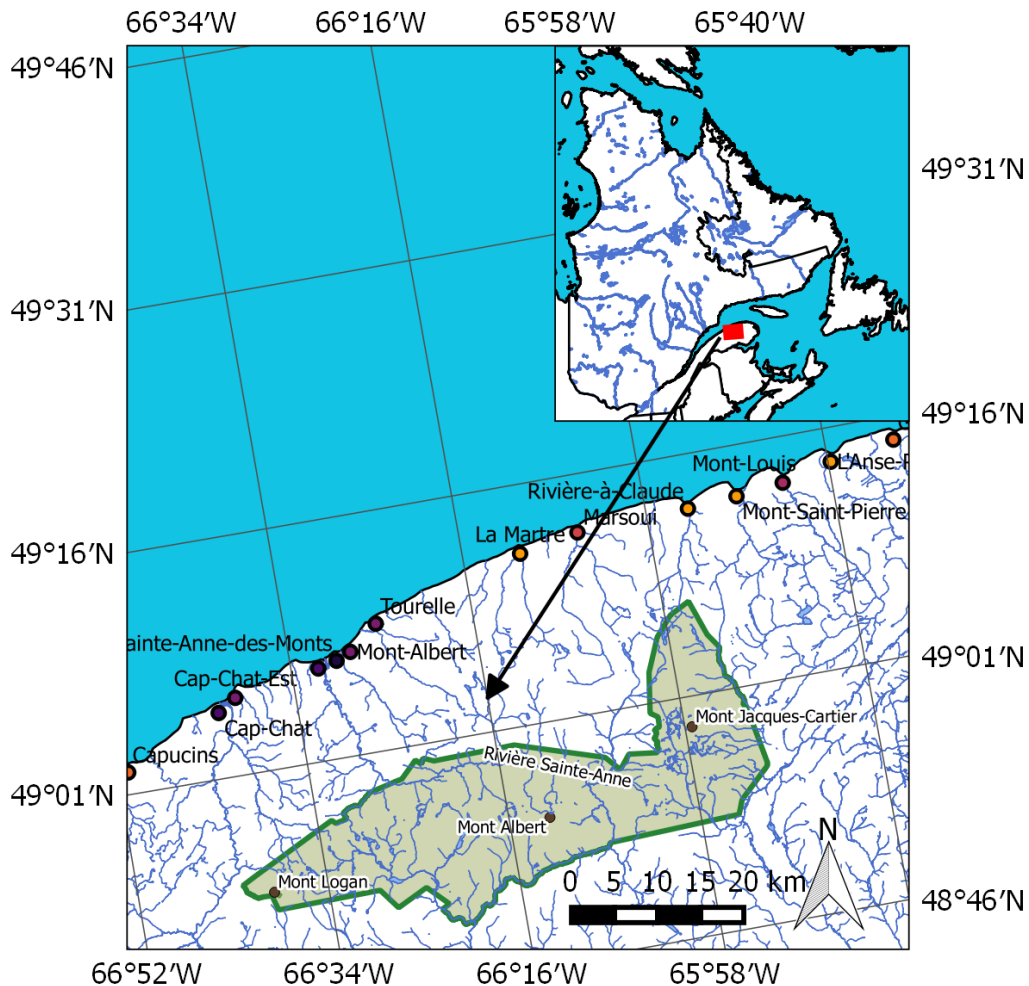
Une publication de la Société québécoise de bryologie

**BRYOPHYTES COLLECTED DURING THE JULY 2013 CRUM WORKSHOP
(INCLUDING DATA FROM THE 2012 TUCKERMANN WORKSHOP),
PARC NATIONAL DE LA GASPÉSIE, QUÉBEC, CANADA
VERSION DATED 2018-02-24**

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The Parc national de la Gaspésie is a 802.2 km² (309.7 sq. mi.) park located in the center of the Gaspé Peninsula, about 20 km (12.5 miles) south of the town of Sainte-Anne-des-Monts. The landscape features high plateaus, block fields (felsenmeer), narrow ridges, and deep valleys. More than 25 summits peak at more than 1 000 m, and a few are crowned with an alpine tundra vegetation. The climate is influenced by altitude and the nearby Gulf of St. Lawrence. The park is located within the balsam fir–white birch bioclimatic domain. The deep valleys and high mountains produce an altitudinal vegetation gradient ranging from montane to subalpine and alpine.

Ten participants in the 2012 Tuckermann Workshop and the 2013 Crum Workshop, both held in the Parc de la Gaspésie, provided contributions to the list of taxa. Some of the participants collected in the study area again in 2014, and these collections are also included. Any additional records will be added to future versions of *Lepagea* no. 24.



Location of the study area

Contributors

- 1 – Buck, Williams R., 2012 and 2013
- 2 – Caners, Richard, 2013
- 3 – Faubert, Jean, 2013
- 4 – Gagnon, Jean, 2012 and 2013
- 5 – Kekes, Jean, 2013
- 6 – Ley, Linda M., 2013 and 2014
- 7 – Mills, Anne, 2013
- 8 – Phillips, Thomas, 2013
- 9 – Rohrer, Joseph, 2013
- 10 – Roy, Claude, 2012 and 2013

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Crum Workshop, Parc de la Gaspésie, 2-5 July 2013

From left to right: Dick Harris, Troy McMullen, Linda Fuselier, Richard Caners, Bridgit (standing behind Richard), Linda Ley, Dorothy Allard, Jennifer Doubt, Jean Faubert, Anne Mills, Nancy Slack, Jean Kekes, Barbara Andreas, Thomas Phillips (behind Barbara), Bill Buck, Claude Roy (behind Bill and Diane), Diane Lucas, Eric Mills, Glen Slack and Jean Gagnon. Missing: Frances Anderson, Gordon Michener, Joseph and Evelyn Rohrer, Malcolm and Ann Sargent, Dale and Sandy Vitt.



HÉPATIQUES

- Anastrophyllum michauxii* (F. Weber) H. Buch – 6, 10
Aneura pinguis (L.) Dumort. – 6
Anthelia juratzkana (Limpr.) Trevis. – 2 [Rare south of 50° N]
Apopellia megaspora (R.M. Schust.) Nebel & D. Quandt – 6
Barbilophozia barbata (Schmidel ex Schreb.) Loeske – 6
Barbilophozia hatcheri (A. Evans) Loeske – 6
Barbilophozia lycopodioides (Wallr.) Loeske – 6
Barbilophozia sudetica (Nees ex Huebener) L. Söderstr., De Roo & Hedd. – 6
Bazzania trilobata (L.) Gray – 2, 6
Blasia pusilla L. – 2, 4, 6
Blepharostoma trichophyllum (L.) Dumort. subsp. *trichophyllum* – 2, 6, 7, 10
Calypogeia integristipula Steph. – 2, 6
Calypogeia muelleriana (Schiffn.) Müll. Frib. – 6
Calypogeia neesiana (C. Massal. & Carestia) Müll. Frib. – 6
Cephalozia bicuspidata (L.) Dumort. – 6
Cephaloziella divaricata (Sm.) Schiffn. – 6 [Rare south of the St. Lawrence]
Cephaloziella hampeana (Nees) Schiffn. ex Loeske – 2, 4, 8
Cephaloziella rubella (Nees) Warnst. var. *rubella* – 6
Chiloscyphus pallescens (Ehrh.) Dumort. var. *pallescens* – 6
Chiloscyphus polyanthos (L.) Corda var. *polyanthos* – 6, 7
Cololejeunea biddlecomiae (Austin) A. Evans – 6
Crossocalyx hellerianus (Nees ex Lindenb.) Meyl. – 6, 7
Diplophyllum apiculatum (A. Evans) Steph. – 6 [First report from the Gaspé]
Diplophyllum taxifolium (Wahlenb.) Dumort. – 2, 6
Frullania asagrayana Mont. – 2
Frullania oakesiana Austin – 6
Frullania selwyniana Pearson – 2, 6 [Type locality]
Fuscocephaloziopsis lunulifolia (Dumort.) Váňa & L. Söderstr. – 6
Fuscocephaloziopsis pleniceps (Austin) Váňa & L. Söderstr. – 6
Gymnocolea inflata (Huds.) Dumort. subsp. *inflata* – 4, 6, 10
Gymnomitrium concinnatum (Lightf.) Corda – 2, 10 [Rare south of 50° N]
Gymnomitrium corallioides Nees – 2, 8, 10 [Rare south of 50° N]
Isopaches bicrenatus (Schmidel ex Hoffm.) H. Buch – 6
Jungermannia exsertifolia Steph. subsp. *cordifolia* (Dumort.) Váňa – 6, 9
Kurzia pauciflora (Dicks.) Grolle – 2
Lejeunea cavifolia (Ehrh.) Lindb. – 6
Lepidozia reptans (L.) Dumort. – 6
Liochlaena lanceolata Nees – 6, 7
Lophocolea heterophylla (Schrad.) Dumort. – 6
Lophozia ascendens (Warnst.) R.M. Schust. – 6
Lophozia guttulata (Lindb. & Arnell) A. Evans – 6
Lophozia silvicola H. Buch – 6 [Rare in Quebec]
Lophozia ventricosa (Dicks.) Dumort. var. *ventricosa* – 6, 7
Lophozia wenzelii (Nees) Steph. – 6 [Rare south of 52° N]
Lophoziopsis longidens (Lindb.) Konstant. & Vilnet – 6
Marchantia polymorpha L. subsp. *ruderalis* Bischl. & Boissel.-Dub. – 6
Marchantia polymorpha L. subsp. *montivagans* Bischl. & Boissel.-Dub. – 6
Marchantia quadrata Scop. subsp. *quadrata* – 2, 6
Marsupella sprucei (Limpr.) Bernet – 2, 4, 8
Mesoptychia collaris (Nees) L. Söderstr. & Váňa – 6 [Rare in Quebec]
Mesoptychia heterocolpos (Thed. ex Hartm.) L. Söderstr. & Váňa var. *heterocolpos* – 2, 6

HÉPATIQUES

- Mylia anomala* (Hook.) Gray – 2
Mylia taylorii (Hook.) Gray – 6
Neoorthocaulis attenuatus (Mart.) L. Söderstr., De Roo & Hedd. – 2, 6
Nowellia curvifolia (Dicks.) Mitt. – 2, 4, 6, 7
Odontoschisma fluitans (Nees) L. Söderstr. & Váňa – 6
Pellia neesiana (Gottsche) Limpr. – 5, 6
Plagiochila porelloides (Torr. ex Nees) Lindenb. var. *porelloides* – 6, 7, 9
Prasanthus suecicus (Gottsche) Lindb. – 4, 10 [Arctic-alpine]
Ptilidium ciliare (L.) Hampe – 4, 6
Ptilidium pulcherrimum (Weber) Vain. – 4, 6, 10
Radula complanata (L.) Dumort. – 4, 6, 10
Riccardia latifrons (Lindb.) Lindb. – 2, 3, 6
Riccardia multifida (L.) Gray subsp. *multifida* – 2, 6
Saccobasis polita (Nees) H. Buch – 6
Scapania irrigua (Nees) Nees subsp. *irrigua* – 6, 9
Scapania nemorea (L.) Grolle – 6
Scapania paludicola Loeske & Müll. Frib. var. *paludicola* – 4
Scapania subalpina (Nees ex Lindenb.) Dumort. – 6 [Rare south of the St. Lawrence]
Scapania umbrosa (Schrad.) Dumort. – 6
Scapania undulata (L.) Dumort. – 6
Schistochilopsis incisa (Schrad.) Konstant. – 6
Solenostoma gracillimum (Sm.) R.M. Schust. – 2, 6, 8
Solenostoma obovatum (Nees) C. Massal. – 6 [Poorly know in Quebec]
Solenostoma sphaerocarpum (Hook.) Steph. – 6
Sphenolobus minutus (Schreb. ex D. Crantz) Berggr. – 6
Szygyella autumnalis (DC.) K. Feldberg, Váňa, Hentschel & Heinrichs – 10

Tetralophozia setiformis (Ehrh.) Schljakov – 2, 4, 8, 10
Tritomaria exsecta (Schmidel) Schiffn. ex Loeske – 6
Tritomaria exsectiformis (Breidl.) Schiffn. ex Loeske – 2, 6, 10
Tritomaria quinquedentata (Huds.) H. Buch subsp. *quinquedentata* – 6

Musci

- Andreaea blyttii* Schimp. – 3
Andreaea rothii F. Weber & D. Mohr – 7
Andreaea rupestris Hedw. – 1, 2, 6
Anomodon attenuatus (Hedw.) Huebener – 1
Anomodon rostratus (Hedw.) Schimp. – 5
Arctoa fulvella (Dicks.) Bruch & Schimp. – 1
Atrichum crispulum Schimp. ex Besch. – 1, 9
Aulacomnium palustre (Hedw.) Schwägr. – 1
Bartramia pomiformis Hedw. – 1, 5
Brachythecium campestre (Müll. Hal.) Schimp. – 1, 6
Brachythecium novae-angliae (Sull. & Lesq.) Jaeg. – 1, 9
Brachythecium plumosum (Hedw.) Schimp. – 1, 3
Brachythecium populeum (Hedw.) Schimp. – 6, 9
Brachythecium reflexum (Starke) Schimp. – 2
Brachythecium rivulare Schimp. – 1, 5, 6
Brachythecium rotaeanum De Not. – 1
Brachythecium starkei (Brid.) Schimp. – 1

Musci

- Brachythecium velutinum* (Hedw.) Schimp. – 1
Bryum pallens Sw. – 1, 6
Bryum pseudotriquetrum (Hedw.) G. Gaertn., B. Mey. & Scherb. – 3, 6, 7, 9
Callicladium haldanianum (Grev.) H.A. Crum – 1, 5, 7
Calliergon cordifolium (Hedw.) Kindb. – 1, 6
Calliergon giganteum (Schimp.) Kindb. – 1, 5, 6
Calliergon richardsonii (Mitt.) Kindb. – 2, 8
Campyliadelphus chrysophyllus (Brid.) Kanda – 1, 5, 9
Campylium stellatum (Hedw.) C.E.O. Jensen – 1, 6
Campylophyllum hispidulum (Brid.) Hedenäs – 9
Campylophyllum sommerfeltii (Myrin) Hedenäs – 1* [*Collected outside park limits]
Ceratodon purpureus (Hedw.) Brid. – 6
Climacium americanum Brid. – 5, 7
Climacium dendroides (Hedw.) F. Weber & D. Mohr – 1
Conostomum tetragonum (Hedw.) Lindb. – 2, 3, 6
Cratoneuron filicinum (Hedw.) Spruce – 1, 5, 9
Cynodontium cf. tenellum (Schimp.) Limpr. – 6
Dichodontium pellucidum (Hedw.) Schimp. – 1, 9
Dicranella cerviculata (Hedw.) Schimp. – 8
Dicranella heteromalla (Hedw.) Schimp. – 6
Dicranella schreberiana (Hedw.) Hilf. ex H.A. Crum & L.E. Anderson – 8
Dicranella subulata (Hedw.) Schimp. – 1
Dicranoweisia crispula (Hedw.) Milde – 2, 6, 9
Dicranum acutifolium (Lindb. & Arnell) C.E.O. Jensen – 6 [Rare south of 50° N]
Dicranum flagellare Hedw. – 4
Dicranum fuscescens Turner – 1, 5, 6, 7, 9, 10
Dicranum groenlandicum Brid. – 8
Dicranum montanum Hedw. – 1, 2, 5, 6, 7, 9
Dicranum ontariense W.L. Peterson – 9
Dicranum polysetum Sw. – 5
Dicranum scoparium Hedw. – 1, 5, 6, 9
Dicranum undulatum Brid. – 2
Dicranum viride (Sull. & Lesq.) Lindb. – 1, 4, 5, 6, 9
Distichium capillaceum (Hedw.) Bruch & Schimp. – 1, 6
Ditrichum flexicaule (Schwägr.) Hampe – 5
Ditrichum lineare (Sm.) Lindb. – 6
Ditrichum pusillum (Hedw.) Hampe – 1* [*Collected outside park limits]
Drepanocladus aduncus (Hedw.) Warnst. – 5
Encalypta procera Bruch – 5
Eurhynchiastrum pulchellum (Hedw.) Ignatov & Huttunen – 1, 6, 9
Fissidens adianthoides Hedw. – 1, 6, 7, 9
Fissidens bryoides Hedw. – 1
Fissidens osmundoides Hedw. – 1, 5, 6, 9
Grimmia donniana Sm. – 1, 2, 4, 8
Grimmia longirostris Hook. – 1
Grimmia sessitana De Not. – 6 [Rather rare]
Grimmia unicolor Hook. – 6
Gymnostomum aeruginosum Sm. – 8
Herzogiella striatella (Brid.) Z. Iwats. – 4
Heterocladium dimorphum (Brid.) Schimp. – 2, 8
Homalia trichomanoides (Hedw.) Schimp. – 1, 2, 5, 6, 7, 9

MUSCI

- Hygrohypnum duriusculum* (De Not.) D.W. Jamieson – 1
Hygrohypnum eugyrium (Schimp.) Loeske – 1, 5
Hygrohypnum luridum (Hedw.) Jenn. – 6, 9
Hygrohypnum molle (Hedw.) Loeske – 1*, 8 [*Collected outside park limits]
Hygrohypnum ochraceum (Turner ex Wilson) Loeske – 1, 6, 9
Hygrohypnum smithii (Sw.) Broth. – 6 [Rare in Quebec]
Hygrohypnum subeugyrium (Renauld & Cardot) Broth. – 1
Hylocomiastrum pyrenaicum (Spruce) M. Fleisch. ex Broth. – 1, 9
Hylocomiastrum umbratum (Hedw.) M. Fleisch. ex Broth. – 1, 2, 3, 4, 5, 6, 9
Hylocomium splendens (Hedw.) Schimp. – 1, 6
Hypnum fauriei Cardot – 9
Hypnum cf. imponens Hedw. – 4
Hypnum lindbergii Mitt. – 1, 6, 9
Hypnum pallescens (Hedw.) P. Beauv. – 1, 6
Hypnum recurvatum (Lindb. & Arnell) Kindb. – 2
Isopterygiopsis pulchella (Hedw.) Z. Iwats. – 1
Kiaeria blyttii (Bruch & Schimp.) Broth. – 1
Leptodictyum riparium (Hedw.) Warnst. – 7
Mnium thomsonii Schimp. – 6
Myurella sibirica (Müll. Hal.) Reimers – 1, 2, 5, 6, 7
Neckera pennata Hedw. – 1, 2, 5
Oligotrichum hercynicum (Hedw.) Lam. & DC. – 2, 4 [Rather rare]
Oncophorus wahlenbergii Brid. – 1, 5, 7, 9
Orthotrichum speciosum Nees – 1
Paraleucobryum longifolium (Ehrh. ex Hedw.) Loeske – 2, 10
Philonotis fontana (Hedw.) Brid. var. *caespitosa* (Jur.) Limpr. – 6
Philonotis fontana (Hedw.) Brid. var. *fontana* – 5, 6, 9
Plagiomnium cuspidatum (Hedw.) T.J. Kop. – 1
Plagiothecium cavifolium (Brid.) Z. Iwats. – 1, 6
Plagiothecium laetum Schimp. – 1*, 2, 6 [*Collected outside park limits]
Platydictya jungermannioides (Brid.) H.A. Crum – 6
Pleurozium schreberi (Willd. ex Brid.) Mitt. – 1, 6
Pogonatum dentatum (Menzies ex Brid.) Brid. – 1, 2, 4, 6, 7
Pogonatum pensilvanicum (Bartram ex Hedw.) P. Beauv. – 2, 6
Pogonatum urnigerum (Hedw.) P. Beauv. – 1, 2, 3, 6, 9
Pohlia andalusica (Höhn.) Broth. – 1, 6
Pohlia drummondii (Müll. Hal.) A.L. Andrews – 3
Pohlia filum (Schimp.) Mårtensson – 2
Pohlia lescuriana (Sull.) Ochi – 1, 4 [Seldom reported from Quebec]
Pohlia nutans (Hedw.) Lindb. – 1, 4, 6, 7
Pohlia prolifera (Kindb.) Lindb. ex Arnell – 6
Pohlia wahlenbergii (F. Weber & D. Mohr) A.L. Andrews – 7
Polytrichastrum alpinum (Hedw.) G.L. Sm. var. *alpinum* – 1, 4, 6
Polytrichastrum longisetum (Sw. ex Brid.) G.L. Sm. – 1, 9
Polytrichum commune Hedw. var. *commune* – 1, 4
Polytrichum juniperinum Hedw. – 4, 5, 6
Polytrichum piliferum Hedw. – 1, 6
Polytrichum strictum Menzies ex Brid. – 3
Pseudotaxiphyllum elegans (Brid.) Z. Iwats. – 1
Pterigynandrum filiforme Hedw. – 1, 2, 6
Ptilium crista-castrensis (Hedw.) De Not. – 1, 5, 6, 7, 9

Musci

<i>Pylaisia polyantha</i> (Hedw.) Schimp. – 1	
<i>Racomitrium aciculare</i> (Hedw.) Brid. – 1, 2	
<i>Racomitrium affine</i> (Schleich. ex F. Weber & D. Mohr) Lindb. – 7	
<i>Racomitrium canescens</i> (Hedw.) Brid. subsp. <i>canescens</i> – 1*, 5, 6, 7, 9	[*Collected outside park limits]
<i>Racomitrium ericoides</i> (Brid.) Brid. – 3	[1st report from the Gaspé]
<i>Racomitrium fasciculare</i> (Hedw.) Brid. – 1, 6, 9	
<i>Racomitrium lanuginosum</i> (Hedw.) Brid. – 1, 4, 7	
<i>Racomitrium microcarpum</i> (Hedw.) Brid. – 1, 3, 4, 7	
<i>Racomitrium sudeticum</i> (Funck) Bruch & Schimp. – 6	
<i>Rhizomnium gracile</i> T.J. Kop. – 6	
<i>Rhizomnium magnifolium</i> (Horik.) T.J. Kop. – 1	
<i>Rhizomnium punctatum</i> (Hedw.) T.J. Kop. – 1*, 9	[*Collected outside park limits]
<i>Rhytidiadelphus squarrosus</i> (Hedw.) Warnst. – 5	
<i>Rhytidiadelphus subpinnatus</i> (Lindb.) T.J. Kop. – 1, 5, 6, 9	
<i>Rhytidiadelphus triquetrus</i> (Hedw.) Warnst. – 1, 5, 6, 7	
<i>Saelania glaucescens</i> (Hedw.) Broth. – 1, 5, 6	
<i>Sanionia uncinata</i> (Hedw.) Loeske – 1, 5, 6, 9, 10	
<i>Sarmentypnum exannulatum</i> (Schimp.) Hedenäs – 8	
<i>Sarmentypnum sarmentosum</i> (Wahlenb.) Tuom. & T.J. Kop. – 2	
<i>Schistidium apocarpum</i> (Hedw.) Bruch & Schimp. – 5	
<i>Schistidium liliputanum</i> (Müll. Hal.) Deguchi – 3	
<i>Schistidium papillosum</i> Culm. – 1, 6	[Poorly know in Quebec]
<i>Schistidium rivulare</i> (Brid.) Podp. – 1, 6, 7, 9	
<i>Schistostega pennata</i> (Hedw.) F. Weber & D. Mohr – 1, 2, 6	[1st report from the Gaspé]
<i>Scorpidium revolvens</i> (Sw.) Rubers – 6, 9	
<i>Seligeria recurvata</i> (Hedw.) Bruch & Schimp. – 1*, 8	[*Collected outside park limits] [Rare in Quebec]
<i>Sphagnum capillifolium</i> (Ehrh.) Hedw. – 6, 9	
<i>Sphagnum fimbriatum</i> Wilson – 6	
<i>Sphagnum girgensohnii</i> Russow – 6, 9	
<i>Sphagnum magellanicum</i> Brid. – 4	
<i>Sphagnum russowii</i> Warnst. – 4, 6	
<i>Sphagnum squarrosus</i> Crome – 6, 9	
<i>Sphagnum subfulvum</i> Sjörs – 4	
<i>Straminergon stramineum</i> (Dicks. ex Brid.) Hedenäs – 1, 6	
<i>Syntrichia ruralis</i> (Hedw.) F. Weber & D. Mohr – 5	
<i>Tayloria serrata</i> (Hedw.) Bruch & Schimp. – 1	
<i>Tetraphis pellucida</i> Hedw. – 1, 6, 7, 9	
<i>Tetraplodon mnioides</i> (Hedw.) Bruch & Schimp. – 7	
<i>Thuidium delicatulum</i> (Hedw.) Schimp. – 1	
<i>Timmia austriaca</i> Hedw. – 1	
<i>Timmia megapolitana</i> Hedw. subsp. <i>megapolitana</i> – 1, 5	
<i>Tortella tortuosa</i> (Hedw.) Limpr. – 1, 5, 6, 9	
<i>Trichostomum tenuirostre</i> (Hook. & Taylor) Lindb. – 8	
<i>Ulota coarctata</i> (P. Beauv.) Hammar – 1	
<i>Ulota hutchinsiae</i> (Sm.) Hammar – 3	
<i>Weissia controversa</i> Hedw. – 6	

NUMBER OF TAXA

Hepaticae – 81
 Musci – 165
 Total – 246