

CHAPTER 6134
DEPARTMENT OF NATURAL RESOURCES
ENDANGERED AND THREATENED SPECIES

6134.0100 STATUTORY AUTHORITY.
 6134.0200 ANIMAL SPECIES.

6134.0300 VASCULAR PLANTS.
 6134.0400 LICHENS; MOSSES.

6134.0100 STATUTORY AUTHORITY.

Pursuant to Minnesota Statutes, section 97.488, the species of wild animals and plants listed in parts 6134.0200 to 6134.0400 are designated as endangered, threatened, or of special concern, as indicated in those parts.

Statutory Authority: *MS s 97.488*

History: *8 SR 1921*

6134.0200 ANIMAL SPECIES.

Subpart 1. **Mammals.** The scientific names and the common names in this subpart are according to the Revised Checklist of North American Mammals North of Mexico, J. K. Jones, et al., 1982. The following species of mammals are designated as:

- A. Endangered: none.
- B. Threatened: *Canis lupus*, gray wolf.
- C. Of special concern:
 - (1) *Cervus elaphus*, American elk;
 - (2) *Cryptotis parva*, least shrew;
 - (3) *Felis concolor*, mountain lion;
 - (4) *Gulo gulo*, wolverine;
 - (5) *Martes americana*, marten;
 - (6) *Microtus chrotorrhinus*, rock vole;
 - (7) *Microtus ochrogaster*, prairie vole;
 - (8) *Microtus pinetorum*, woodland vole;
 - (9) *Myotis keenii*, Keens' myotis;
 - (10) *Odocoileus hemionus*, mule deer;
 - (11) *Phenacomys intermedius*, heather vole;
 - (12) *Pipistrellus subflavus*, eastern pipistrelle;
 - (13) *Rangifer tarandus*, caribou;
 - (14) *Spilogale putorius*, spotted skunk;
 - (15) *Synaptomys borealis*, northern bog lemming;
 - (16) *Thomomys talpoides*, northern pocket gopher.

Subp. 2. **Birds.** The scientific names and the common names in this subpart are according to the American Ornithologists Union Checklist, 1983. The following species of birds are designated as:

- A. Endangered:
 - (1) *Ammodramus bairdii*, Baird's sparrow;
 - (2) *Anthus spragueii*, Sprague's pipit;
 - (3) *Athene cunicularia*, burrowing owl;
 - (4) *Calcarius ornatus*, chestnut-collared longspur;
 - (5) *Charadrius melodus*, piping plover;
 - (6) *Falco peregrinus*, peregrine falcon.
- B. Threatened:

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- (1) *Haliaeetus leucocephalus*, bald eagle;
 - (2) *Lanius ludovicianus*, loggerhead shrike.
- C. Of special concern:
- (1) *Ammodramus henslowii*, Henslow's sparrow;
 - (2) *Ammospiza caudacutus*, sharp-tailed sparrow;
 - (3) *Asio flammeus*, short-eared owl;
 - (4) *Bartramia longicauda*, upland sandpiper;
 - (5) *Botaurus lentiginosus*, American bittern;
 - (6) *Buteo lineatus*, red-shouldered hawk;
 - (7) *Coturnicops noveboracensis*, yellow rail;
 - (8) *Gallinula chloropus*, common moorhen;
 - (9) *Grus canadensis*, sandhill crane;
 - (10) *Limosa fedoa*, marbled godwit;
 - (11) *Pandion haliaetus*, osprey;
 - (12) *Pelecanus erythrorhynchos*, American white pelican;
 - (13) *Phalaropus tricolor*, Wilson's phalarope;
 - (14) *Podiceps auritus*, horned grebe;
 - (15) *Rallus elegans*, king rail;
 - (16) *Seiurus motacilla*, Louisiana waterthrush;
 - (17) *Sterna forsteri*, Forster's tern;
 - (18) *Sterna hirundo*, common tern;
 - (19) *Tympanuchus cupido*, greater prairie-chicken.

Subp. 3. **Amphibians and reptiles.** The scientific names and the common names in this subpart are according to Standard Common and Current Scientific Names for North American Amphibians and Reptiles, second edition, J.T. Collins, et al., 1982. The following species of amphibians and reptiles are designated as:

- A. Endangered: *Eumeces fasciatus*, five-lined skink.
- B. Threatened:
 - (1) *Clemmys insculpta*, wood turtle;
 - (2) *Emydoidea blandingi*, Blanding's turtle.
- C. Of special concern:
 - (1) *Chelydra serpentina*, snapping turtle;
 - (2) *Coluber constrictor*, racer (blue racer);
 - (3) *Crotalus horridus*, timber rattlesnake;
 - (4) *Elaphe obsoleta*, rat snake (black rat snake);
 - (5) *Elaphe vulpina*, fox snake;
 - (6) *Heterodon nasicus*, western hognose snake;
 - (7) *Heterodon platyrhinos*, eastern hognose snake;
 - (8) *Lampropeltis triangulum*, milk snake;
 - (9) *Pituophis melanoleucus*, gopher snake (bull snake);
 - (10) *Sistrurus catenatus*, massasauga;
 - (11) *Tropidoclonion lineatum*, lined snake;
 - (12) *Acris crepitans*, northern cricket frog (Blanchard's cricket frog);
 - (13) *Rana catesbeiana*, bullfrog;
 - (14) *Rana palustris*, pickerel frog.

Subp. 4. **Fish.** The scientific names and the common names in this subpart are according to A list of Common and Scientific Names of Fishes from the United States and Canada, third edition, American Fisheries Society, 1979. The following species of fish are designated as:

- A. Endangered: none.

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- B. Threatened: none.
- C. Of special concern:
 - (1) *Acipenser fulvescens* (Rafinesque), lake sturgeon;
 - (2) *Ammocrypta asprella* (Jordan), crystal darter;
 - (3) *Cycleptus elongatus* (Le Sueur), blue sucker;
 - (4) *Etheostoma chlorosomum* (Hay), bluntnose darter;
 - (5) *Fundulus sciadicus* (Cope), plains topminnow;
 - (6) *Hybopsis x-punctata* (Hubbs and Crowe), gravel chub;
 - (7) *Ictalurus furcatus* (Le Sueur), blue catfish;
 - (8) *Lampetra appendix* (DeKay), American brook lamprey;
 - (9) *Morone mississippiensis* (Jordan and Evermann), yellow bass;
 - (10) *Moxostoma duquesnei* (Le Sueur), black redbhorse;
 - (11) *Notropis amnis* (Hubbs and Greene), pallid shiner;
 - (12) *Notropis emilae* (Hay), pugnose minnow;
 - (13) *Notropis topeka* (Gilbert), topeka shiner;
 - (14) *Noturus exilis* (Nelson), slender madtom;
 - (15) *Polyodon spathula* (Walbaum), paddlefish;
 - (16) *Scaphirhynchus platyrhynchus* (Rafinesque), shovelnose

sturgeon.

Subp. 5. **Butterflies.** The scientific names in this subpart are according to A Catalogue/Checklist of the Butterflies of America North of Mexico, L.D. Miller and S.M. Brown, 1981. The following species of butterflies are designated as:

- A. Endangered:
 - (1) *Hesperia assiniboia* (Lyman), assiniboia skipper;
 - (2) *Hesperia uncas* W.H. Edwards, uncas skipper;
 - (3) *Oeneis uhleri varuna*, (W.H. Edwards) Uhler's arctic.
- B. Threatened:
 - (1) *Hesperia dacotae* (Skinner), Dakota skipper;
 - (2) *Hesperia ottoe* W.H. Edwards, ottoe skipper;
 - (3) *Lycaeides samuelis* Nabokov, Karner blue.
- C. Of special concern:
 - (1) *Clossiana freija* (Thunberg), freija fritillary;
 - (2) *Clossiana frigga saga* (Staudinger), frigga fritillary;
 - (3) *Epidemia dorcas dorcas* (W. Kirby), dorcas copper;
 - (4) *Epidemia epixanthe michiganensis* (Rawson), bog copper;
 - (5) *Erebia disa mancinus* Doubleday & Hewitson, disa alpine;
 - (6) *Erebia discoidalis discoidalis* (W. Kirby), red-disked alpine;
 - (7) *Oarisma poweshiek* (Parker), poweshiek skipper;
 - (8) *Oeneis jutta ascerta* Masters & Sorensen, jutta arctic;
 - (9) *Proclassiana eunomia dawsoni* (Barnes & McDunnough), bog

fritillary.

Subp. 6. **Freshwater mollusks.** The scientific names in this subpart are according to Freshwater Mollusca of Wisconsin Part II: Pelecypoda, F.C. Collins, 1982. The following species of freshwater mollusks are designated as:

- A. Endangered:
 - (1) *Lampsilis higginsii* (Lea), Higgins' eye;
 - (2) *Proptera (Potamilus) capax* (Green), fat pocketbook.
- B. Threatened: none.
- C. Of special concern:
 - (1) *Elliptio crassidens* (Lamarck), elephant ear;

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(2) *Fusconaia ebena* (Lea), ebony shell.

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6134.0300 VASCULAR PLANTS.

The scientific names in items A, B, and C are according to Gray's Manual of Botany, eighth edition, M.L. Fernald, 1950, and include family designation:

A. Endangered. The following species are designated as endangered:

- (1) *Asclepias stenophylla* Gray, Asclepiadaceae;
- (2) *Besseyia bullii* (Eaton) Rydb., Scrophulariaceae;
- (3) *Cacalia suaveolens* L., Asteraceae;
- (4) *Chrysosplenium iowense* Rydb., Saxifragaceae;
- (5) *Cristatella jamesii* T. & G., Capparidaceae;
- (6) *Cypripedium arietinum* R. Br., Orchidaceae;
- (7) *Draba norvegica* Gunn., Brassicaceae;
- (8) *Eleocharis wolfii* Gray, Cyperaceae;
- (9) *Empetrum atropurpureum* Fern. & Wieg., Empetraceae;
- (10) *Erythronium propullans* Gray, Liliaceae;
- (11) *Gerardia auriculata* Michx., Scrophulariaceae;
- (12) *Hydrastis canadensis* L., Ranunculaceae;
- (13) *Isoetes melanopoda* Gay & Dur., Isoetaceae;
- (14) *Lespedeza leptostachya* Engelm., Fabaceae;
- (15) *Lesquerella ludoviciana* (Nutt.) S. Wats., Brassicaceae;
- (16) *Littorella americana* Fern., Plantaginaceae;
- (17) *Malaxis paludosa* (L.) Sw., Orchidaceae;
- (18) *Montia chamissoi* (Ledeb.) Durand & Jackson, Portulacaceae;
- (19) *Napaea dioica* L., Malvaceae;
- (20) *Oryzopsis hymenoides* (R. & S.) Ricker, Poaceae;
- (21) *Osmorhiza chilensis* H. & A., Apiaceae;
- (22) *Parthenium integrifolium* L., Asteraceae;
- (23) *Platanthera flava* (L.) Lindl. var. *herbiola* (R. Br.) Ames & Correll, Orchidaceae;
- (24) *Platanthera leucophaea* (Nutt.) Lindl., Orchidaceae;
- (25) *Poa paludigena* Fern. & Wieg., Poaceae;
- (26) *Polygala cruciata* L., Polygalaceae;
- (27) *Polystichum braunii* (Spenner) Fee var. *purshii* Fern., Polypodiaceae;
- (28) *Potamogeton lateralis* Morong, Potamogetonaceae;
- (29) *Ruellia humilis* Nutt., Acanthaceae;
- (30) *Sagina nodosa* (L.) fenzl ssp. *borealis* Crow, Caryophyllaceae;
- (31) *Saxifraga cernua* L. var. *latibracteata* Fern., Saxifragaceae;
- (32) *Scleria triglomerata* Michx., Cyperaceae;
- (33) *Sedum rosea* (L.) Scop. var. *leedyi* Rosend. & Moore, Crassulaceae;
- (34) *Subularia aquatica* L., Brassicaceae;
- (35) *Sparganium glomeratum* Laest., Sparganiaceae;
- (36) *Sullivantia renifolia* Rosend., Saxifragaceae;
- (37) *Talinum rugospermum* Holzinger, Portulacaceae; and
- (38) *Tofieldia pusilla* (Mich.) Pers., Liliaceae.

B. Threatened. The following species are designated as threatened:

- (1) *Allium cernuum* Roth, Liliaceae;

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- (2) *Ammophila breviligulata* Fern., Poaceae;
- (3) *Androsace septentrionalis* L. var. *pulverulenta* (Rydb.) Knuth,
Primulaceae;
- (4) *Arabis holboellii* Hornem. var. *retrofracta* (Graham) Rydb.,
Brassicaceae;
- (5) *Arenaria macrophylla* Hook., Caryophyllaceae;
- (6) *Arnica chionopappa* Fern., Asteraceae;
- (7) *Asclepias hirtella* (Pennell) Woodson, Asclepiadaceae;
- (8) *Asclepias sullivantii* Engelm., Asclepiadaceae;
- (9) *Asplenium trichomanes* L., Polypodiaceae;
- (10) *Cacalia tuberosa* Nutt., Asteraceae;
- (11) *Carex conjuncta* Boott, Cyperaceae;
- (12) *Carex davisii* Schwein. & Torr., Cyperaceae;
- (13) *Carex hallii* Olney, Cyperaceae;
- (14) *Carex praticola* Rydb., Cyperaceae;
- (15) *Carex sterilis* Willd, Cyperaceae;
- (16) *Desmodium illinoense* Gray, Fabaceae;
- (17) *Drosera anglica* Huds., Droseraceae;
- (18) *Drosera linearis* Goldie, Droseraceae;
- (19) *Dryopteris marginalis* (L.) Gray, Polypodiaceae;
- (20) *Eleocharis olivacea* Torr., Cyperaceae;
- (21) *Eleocharis rostellata* Torr., Cyperaceae;
- (22) *Gerardia gattingeri* Sm., Scrophulariaceae;
- (23) *Jeffersonia diphylla* (L.) Pers., Berberidaceae;
- (24) *Lycopodium porophyllum* Lloyd & Underwood, Lycopodiaceae;
- (25) *Lygodesmia rostrata* Gray, Asteraceae;
- (26) *Mamillaria vivipara* (Nutt.) Haw., Cactaceae;
- (27) *Melica nitens* Nutt., Poaceae;
- (28) *Nymphaea tetragona* Georgi, Nymphaeaceae;
- (29) *Pellaea atropurpurea* (L.) Link, Polypodiaceae;
- (30) *Plantago elongata* Pursh, Plantaginaceae;
- (31) *Rhynchospora capillacea* Torr., Cyperaceae;
- (32) *Rubus chamaemorus* L., Rosaceae;
- (33) *Salicornia rubra* Nelson, Chenopodiaceae;
- (34) *Saxifraga aizoon* Jacq. var. *neogaea* Butters, Saxifragaceae;
- (35) *Scleria verticillata* Muhl., Cyperaceae;
- (36) *Vaccinium uliginosum* L. var. *alpinum* Bigel, Ericaceae;
- (37) *Valeriana edulis* Nutt. ssp. *ciliata* (T. & G.) Meyer,
Valerianaceae;
- (38) *Woodsia glabella* R. Br., Polypodiaceae;
- (39) *Woodsia scopulina* D.C. Eat., Polypodiaceae; and
- (40) *Xyris torta* Sm., Xyridaceae.

C. Special concern. The following species are designated as of special concern:

- (1) *Adoxa moschatellina* L., Adoxaceae;
- (2) *Agrostis geminata* Trin., Poaceae;
- (3) *Allium schoenoprasum* L. var. *sibiricum* (L.) Hartm., Liliaceae;
- (4) *Antennaria aprica* Greene, Asteraceae;
- (5) *Arenaria dawsonensis* Britt., Caryophyllaceae;
- (6) *Arethusa bulbosa* L., Orchidaceae;
- (7) *Aristida longiseta* Steud., Poaceae;

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- (8) *Aristida tuberculosa* Nutt., Poaceae;
- (9) *Asclepias amplexicaulis* Sm., Asclepiadaceae;
- (10) *Astragalus flexuosus* Dougl., Fabaceae;
- (11) *Astragalus missouriensis* Nutt., Fabaceae;
- (12) *Astragalus neglectus* (T. & G.) Sheld., Fabaceae;
- (13) *Athyrium pycnocarpon* (Spreng.) Tides, Polypodiaceae;
- (14) *Bacopa rotundifolia* (Michx.) Wettst., Scrophulariaceae;
- (15) *Baptisia leucophaea* Nutt., Fabaceae;
- (16) *Botrychium lunaria* (L.) Sw., Ophioglossaceae;
- (17) *Botrychium mormo* Wagner, Ophioglossaceae;
- (18) *Buchloe dactyloides* (Nutt.) Engelm., Poaceae;
- (19) *Carex annectens* Bickn., Cyperaceae;
- (20) *Carex exilis* Dew., Cyperaceae;
- (21) *Carex laxiculmis* Schwein., Cyperaceae;
- (22) *Carex obtusata* Lilj., Cyperaceae;
- (23) *Carex scirpiformis* Mack., Cyperaceae;
- (24) *Carex woodii* Dew., Cyperaceae;
- (25) *Cephalanthus occidentalis* L., Rubiaceae;
- (26) *Chamaerhodos nuttallii* Pick., Rosaceae;
- (27) *Cirsium hillii* (Canby) Fern., Asteraceae;
- (28) *Cladium mariscoides* (Muhl.) Torr., Cyperaceae;
- (29) *Claytonia caroliniana* Michx., Portulacaceae;
- (30) *Cyperus acuminatus* Torr. & Hook., Cyperaceae;
- (31) *Cypripedium candidum* Muhl., Orchidaceae;
- (32) *Decodon verticillatus* (L.) Ell., Lythraceae;
- (33) *Deschampsia flexuosa* (L.) Trin., Poaceae;
- (34) *Desmanthus illinoense* (Michx.) MacM, Fabaceae;
- (35) *Dicentra canadensis* (Goldie) Walp., Fumariaceae;
- (36) *Dodecatheon meadia* L., Primulaceae;
- (37) *Draba arabisans* Michx., Brassicaceae;
- (38) *Dryopteris goldiana* (Hook.) Gray, Polypodiaceae;
- (39) *Echinochloa walteri* (Pursh.) Nash, Poaceae;
- (40) *Eleocharis pauciflora* (Lightf.) Link var. *fernaldii* Svenson,
Cyperaceae;
- (41) *Eryngium yuccifolium* Michx., Apiaceae;
- (42) *Euphrasia hudsoniana* Fern. & Wieg., Scrophulariaceae;
- (43) *Floerkea proserpinacoides* Willd., Limnanthaceae;
- (44) *Gentiana affinis* Griseb., Gentianaceae;
- (45) *Gentianella amarella* (L.) Borner ssp. *acuta* (Michx.) Gillett,
Gentianaceae;
- (46) *Geocaulon lividum* (Richards.) Fern., Santalaceae;
- (47) *Glaux maritima* L., Primulaceae;
- (48) *Hamamelis virginiana* L., Hamamelidaceae;
- (49) *Haplopappus spinulosus* (Pursh) DC., Asteraceae;
- (50) *Helianthus nuttallii* T. & G. ssp. *rydbergii* (Br.) Long,
Asteraceae;
- (51) *Hydrocotyle americana* L., Apiaceae;
- (52) *Juncus stygius* L. var. *americanus* Buchenau, Juncaceae;
- (53) *Leersia lenticularis* Michx., Poaceae;
- (54) *Limosella aquatica* L., Scrophulariaceae;
- (55) *Myosurus minimus* L., Ranunculaceae;

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- (56) *Oenothera rhombipetala* Nutt., Onagraceae;
- (57) *Opuntia humifusa* Raf., Cactaceae;
- (58) *Orobanche fasciculata* Nutt., Orobanchaceae;
- (59) *Orobanche ludoviciana* Nutt., Orobanchaceae;
- (60) *Orobanche uniflora* L., Orobanchaceae;
- (61) *Panax quinquefolium* L., Apiaceae;
- (62) *Paronychia fastigiata* Fern., Caryophyllaceae;
- (63) *Pinguicula vulgaris* L., Lentibulariaceae;
- (64) *Platanthera clavellata* (Michx.) Luer, Orchidaceae;
- (65) *Poa wolfii* Scribn., Poaceae;
- (66) *Polygonum arifolium* L., Polygonaceae;
- (67) *Polygonum viviparum* L., Polygonaceae;
- (68) *Polystichum acrostichoides* (Michx.) Schott., Polypodoaceae;
- (69) *Potamogeton vaseyi* Robbins, Potamogetonaceae;
- (70) *Ranunculus lapponicus* L., Ranunculaceae;
- (71) *Rhynchospora fusca* (L.) Ait. f., Cyperaceae;
- (72) *Rudbeckia triloba* L., Asteraceae;
- (73) *Sanicula canadensis* L., Apiaceae;
- (74) *Sanicula trifoliata* Bickn., Apiaceae;
- (75) *Schedonnardus paniculatus* (Nutt.) Trel., Poaceae;
- (76) *Scutellaria ovata* Hill var. *versicolor* (Nutt.) Fern., Lamiaceae;
- (77) *Solidago mollis* Bartl., Asteraceae;
- (78) *Solidago sciaphila* Steele, Asteraceae;
- (79) *Spartina gracilis* Trin., Poaceae;
- (80) *Stellaria longipes* Goldie, Caryophyllaceae;
- (81) *Symphoricarpos orbiculatus* Moench, Caprifoliaceae;
- (82) *Tephrosia virginiana* (L.) Pers., Fabaceae;
- (83) *Thelypteris hexagonoptera* (Michx.) Weatherby, Fabaceae;
- (84) *Tofieldia glutinosa* (Michx.) Pers., Liliaceae;
- (85) *Tradescantia ohiensis* Raf., Commelinaceae;
- (86) *Triglochin palustris* L., Juncaginaceae;
- (87) *Trillium nivale* Riddell, Liliaceae;
- (88) *Triplasis purpurea* (Walt.) Champm., Poaceae;
- (89) *Tsuga canadensis* (L.) Carr., Pinaceae;
- (90) *Utricularia gibba* L., Lentibulariaceae;
- (91) *Verbena simplex* Lehm., Verbenaceae;
- (92) *Viola lanceolata* L., Violaceae;
- (93) *Viola novae-angliae* House, Violaceae;
- (94) *Viola nuttallii* Pursh, Violaceae;
- (95) *Waldesteinia fragarioides* (Michx.) Tratt., Rosaceae; and
- (96) *Xyris montana* Ries., Xyridaceae.

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6134.0400 LICHENS; MOSSES.

Subpart 1. **Lichens.** The scientific names in this subpart are according to A Fourth Checklist of the Lichens of the Continental United States and Canada, M.E. Hale and W.L. Culberson, 1970. The following species of lichens are designated as:

A. Endangered:

- (1) *Buellia nigra* (Fink) Sheard/[*Rinodina nigra* Fink];

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- (2) *Dermatocarpon moulinsii* (Mont.) Zahlbr.;
- (3) *Leptogium apalachense* (Tuck.) Nyl.;
- (4) *Lobaria scrobiculata* (Scop.) DC;
- (5) *Parmelia stictica* (Del.) Nyl.;
- (6) *Pseudocyphellaria crocata* (L.) Vain.

B. Threatened: *Lobaria quercizans* Michx.

C. Of special concern:

- (1) *Cetraria aurescens* Tuck.;
- (2) *Cetraria oakesiana* Tuck.;
- (3) *Cladonia pseudorangiformis* Asah.;
- (4) *Coccocarpia cronia* (Tuck.) Vain.;
- (5) *Parmelia stuppea* Tayl.;
- (6) *Sticta fuliginosa* (Dicks.) Ach.;
- (7) *Umbilicaria torrefacta* (Lightf.) Schrad.

Subp. 2. **Mosses.** The scientific names in this subpart are according to A New List of Mosses of North America North of Mexico, H.A. Crum, et al., 1973. The following species of mosses are designated as:

A. Endangered: *Schistostegia pennata* (Hedw.) Web. & Mohr.

B. Threatened: none.

C. Of special concern:

- (1) *Bryoxiphium norvegicum* (Brid.) Mitt.;
- (2) *Tomenthypnum falcifolium* (Ren ex. Nich.) Tuom.

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