

Heritage Rank Status Factors

Elcode NFSM000067
Gname GALERINA SPHAGNICOLA

Gcomname

Number of Occurrences

U = Unknown

Comments Not known. Known only from eastern North America and Scandinavian Europe.

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments Not known. Known only from eastern North America and Scandinavian Europe.

Population Size

U = Unknown

Comments Records reflect only species occurrence, i.e. fruitbodies, not numbers of individuals. Fungal genets cannot be delimited without DNA sampling.

Range Extent

G = 200,000-2,500,000 km² (about 80,000-1,000,000 square miles)

H = > 2,500,000 km² (greater than 1,000,000 square miles)

Comments Known from Scandinavian Europe and eastern North America (QC MA MI NY) exclusively on Sphagnum bogs at all elevations; uncommon even locally and usually intermixed with *Galerina sphagnorum*. [Parenthetical note: the ranking author (Norvell 2002 pers comm), who made numerous collections of *G. sphagnorum* from standing and shaking bogs in Finland in August, 2002, did collect and confirm two solitary *G. sphagnicola* fruitbodies; macroscopically the two species (*G. sphagnorum* and *G. sphagnicola*) are very similar; microscopically readily differentiated on the basis of spore size and other characters.]

Area of Occupancy

U = Unknown

LU = Unknown

Comments Area of occupancy can only be roughly approximated from fungal fruitbodies as the vegetative organism is hidden from site within the substrate. Saprophytic and/or bryophilous fungi have spotty distributions that are tied to the presence of appropriate substrates. The area of occupancy in this instance can be assumed to be very small, generally the size of a collection.

Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Long-term trend in population, range, area occupied, or number or condition of occurrences unknown

Comments Not known. Known only from eastern North America and Scandinavian Europe.

Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Short-term trend in population, range, area occupied, and number and condition of occurrences unknown.

Comments Not known. Known only from eastern North America and Scandinavian Europe.

Threats

Scope

Severity

Immediacy

Comments Not known. Known only from eastern North America and Scandinavian Europe.

Number of Appropriately Protected and Managed Occurrences

U = Unknown whether any occurrences are appropriately protected and managed

Comments Not known. Known only from eastern North America and Scandinavian Europe.

Intrinsic Vulnerability

U = Unknown

Comments Obligately symbiotic with or saprobic on Sphagnum and in Sphagnum bogs.

Environmental Specificity

A = Very Narrow. Specialist or community with key requirements scarce.

B = Narrow. Specialist or community with key requirements common.

Comments Obligately symbiotic with or saprobic on Sphagnum and in Sphagnum bogs. It appears everywhere rare or rarely collected: only two collections are held in the Oslo herbarium, 1 in the University of Michigan Fungal Collections [and TWO in the Pacific Northwest Mycology Service Mycological Herbarium -- from Finland!!]

Other Considerations

NRANK - N3N4. *Galerina sphagnicola* is not known from western North America nor from the northern spotted owl region of the United States. No occurrences, unconfirmed or otherwise, have been reported from that region. Until such time as its presence is documented from the northern spotted owl region, *Galerina sphagnicola* should be removed from the Record of Decision list.

Edition 11/25/2002 **Edauthor** Lorelei L Norvell

Grank G3G4 **Grank Date** 11/25/2002

Reasons

Galerina sphagnicola is known only from northeast North America and Scandinavia; reported in the literature only in Smith & Singer (1964) and Gulden (1992). Herbarium databases that were checked included the National Mycological Collections at Beltsville, New York Botanic Garden, New York State Museum, University of Michigan, University of California, Oregon State University, and OSU-Forest Science Laboratory. Within all of those, there was only one collection (at MICH) of *G. sphagnicola* recorded, from Michigan.

BCD Sources

New Sources

Smith & Singer, 1964. A monograph of the genus *Galerina* Earle. New York: Hafner. ALSO Gulden 1992. *Galerina* Earle. 306-314 in *Nordic Macromycetes 2*. Hansen & Knudsen, eds. Copenhagen: Nordsvamp. ALSO Roger. 1998. *Galerina atkinsoniana*. *cerina*. *heterocystis*. *sphagnicola*. From unpubl. report for Regional Mycology Lab in Corvallis, Oregon.