

## Conservation Status Assessment

**Scientific Name:** *Neoalbatrellus caeruleoporus*

**Classification:** Fungus

**Assessment area:** Global

**Heritage Rank:** **G2G3**

**Rank Date:** 3/9/2017

Assigned Rank Reasons: Moderate number of occurrences with wide range and a few protected samples. Sequence analyses of our western 'caeruleoporus' support it as independent of the eastern *N. caeruleoporus*. Neither represent *Albatrellus*; REFER to *Neoalbatrellus subcaeruleoporus* (Peck) Audet & B.S. Luther (Audet & Luther 2015: 1194). (Audet, Serge; Luther, Brian S. 2015. *Neoalbatrellus subcaeruleoporus* sp. nov. (Scutigeraceae) from western North America. *Mycotaxon* 130: 1191–1202)

**Range Extent:** H = >2,500,000 sq km (> 1,000,000 sq mi)

Comments: From Norvell 2002: North American endemic with disjunct populations: northeast North America (ON, NB, VT, NY, NJ, PA, MI) and western North America all west of the Cascade crest in BC, WA, OR, CA. Associated with *Tsuga* or (1 collection) *Pinus*.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** C = 21 - 80

Comments: From Norvell 2002: "Presumably endemic to North America where it has been collected from 8 states and 3 provinces. Found in northeastern North America from Vermont to Michigan and in northwestern North America from BC, to CA, where it is considered rare. A total of approximately 33 collections cited in BPI, NY State Museum databases; Other collections held in WTU, OSC, and MICH also confirmed (Norvell 1995, Ginns 1994). Japanese reports represent *A. fletti*. 9 occurrences in northern spotted owl region [Norvell 1995, Castellano 1999, ISMS database 2002] include 2 (CA), 3 (OR), and 4 (WA)." More observations have been recorded since 2002 assessment

**Area of Occupancy:** E = 26-125 4-km<sup>2</sup> grid cells

Comments: Mid to low range of E.

**Good Viability:** C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: From Norvell 2002: "Viability of eastern North American occurrences unknown, although one site has been collected from for approximately 27 years. In northern spotted owl region, 4 of 9 sites appear to be protected: 1 in Olympic National Park (WA), 1 in Honeyman State Park (OR); 2 in Redwood Ntl Pk (CA). Other sites in western and eastern North America may be threatened by development, fire or logging. As the species appears genuinely rare throughout its range, relatively few occurrences can be considered secure." Since 2002, there have also been collections from Mount Elphinstone Provincial Park in British Columbia - 2000, 2003 and 2004. Also has been found in 2011 in West Virginia in Audra State Park.

**Environmental Sensitivity:** Not Evaluated

Comments: None

**Short Term Trends:** Not Evaluated

Comments: None

**Long Term Trends:** Not Evaluated

Comments: None

**Threat Impact:** C = Medium

Comments:

At least 6-7 of approximately 28 occurrences are on protected land. If the unprotected sites are logged on a 40 year rotation, about 18% of sites would be impacted over a 10 year period and 75% over a 100 year period.

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

**Calculated Rank:** G3

**Rank Author:** Caitlin Lawrence

**Rank Reviewer:** Lorelei Norvell

**Definitions and References:**

<b>Rank Prefixes</b>	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
<b>Rank Values</b>	
1	Critically imperiled
2	Imperiled
3	Vulnerable
4	Apparently secure, uncommon but not rare
5	Secure, common, abundant, and widespread

Suggested citation:

Oregon Biodiversity Information Center. 2017. Fungi Conservation Status Assessments. Institute for Natural Resources, Portland State University and Oregon State University. Portland, Oregon and Corvallis, Oregon.

More assessments available at <http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation>

Element rank calculator resources at <http://www.natureserve.org/conservation-tools/conservation-rank-calculator>

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