

Conservation Status Assessment

Scientific Name: *Tolypocladium ophioglossoides*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G4**

Rank Date: 3/9/2017

Rank Reasons: Globally common, many occurrences and many in protected areas. Currently accepted name: *Elaphocordyceps ophioglossoides* (J.F. Gmel.) G.H. Sung, J.M. Sung & Spatafora

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

Comments: Found in North America and Europe and Asia. Less common on the west coast of North America than the east.

Population Size: Not assessed

Comments: None

Number of Occurrences: E = >300

Comments: Over 400 occurrences known worldwide.

Area of Occupancy: F = 126-500 4-km² grid cells

Comments: At least 400 occupied grid cells, potentially more worldwide.

Good Viability: E = Many (41-125) occurrences with excellent or good viability or ecological integrity

Comments: At least 45 occurrences worldwide are located in protected areas. occurrences in North Cascades National Park, Mount Rainier National Park, Olympic National Park, Patrick's Point State Park, Giant City State Park, Ledges State Park, Baxter State Park, Windsor State Park, Tahquamenon Falls State Park, Llyod Cornell Preserve, Letchworth State Park, Ringwood Preserve, Harriman-Palisades State Park, Sir Richard Squires Memorial Provincial Park, Smokey National Park, Umstead State Park, Algonquin Park, Pocono Lake Preserve, Cook Forest State Park, Shenandoah National Park, Watoga State Park, Cedar Creek State Park, Carnifax Ferry State Park, Babcock State Park, Holly River State Park, Little Beaver State Park, Notre Dame Provincial Park, Pickett State Park, Ohiopyle 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 10% of sites are in protected areas. If sites were logged on a 40-year rotation, approximately 22% of occurrences would be affected in 10 years and up to 90% in 100 years. Fairly common species and found in many countries, however may have a narrow niche.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G4

Rank Author: Caitlin Lawrence

Rank Reviewer: Scot Loring

References:

Quandt, CA; Kepler, RM; Gams, W; Araujo, JPM; Ban, S; Evans, HC; Hughes, D; Humber, R; Hywel-Jones, N; Li, Z; Luangsaard, JJ; Rehner, SA; Sanjuan, T; Sato, H; Shrestha, B; Sung, GH; Yao, Y-J; Zare, R; Spatafora, JW. 2014. Phylogenetic-based nomenclatural proposals for Ophiocordycipitaceae (Hypocreales) with new combinations in Tolypocladium. IMA Fungus. 5:121-134.

Definitions and Resources:

Rank Prefixes	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
Rank Values	
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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