

Natural Heritage Ranking Form - Oregon State Rank

Oregon Ranking Form Flammulated owl (*Psiloscopus flammeolus*)

Oregon Biodiversity Information Center

SPECIES ASSESSED

Scientific Name *Psiloscopus flammeolus* ELCODE ABNSB01020
Common Name Flammulated owl Element ID 6533

Species Concept Reference Citation

American Ornithologists' Union (AOU). 1998. Check-list of North American birds. Seventh edition. American Ornithologists' Union, Washington, D.C. [as modified by subsequent supplements and corrections published in *The Auk*]. Also available online: <http://www.aou.org/>.

CONSERVATION STATUS RANK

Assigned Rank **S3B**

Rank Assignment Author	E Gaines	Rank Review Date	3/07/2019
Rank Factors Author	E. Gaines	Rank Factors Date	03/07/2019
Calculated Rank	S3?	Rank Change Date	12/12/2003
Rank Methodology Used	Rank calculator v.3.1x - 2011-2015 rank factors		

Assigned Rank Reasons

Requires open understory, snags. Low reproductive rate makes this species vulnerable to long term population declines. Mainly in open Ponderosa Pine.

Rank Adjustment Reasons

Relatively wide, extant distribution in OR, but low population numbers and relatively high threats.

RANGE/DISTRIBUTION

Range Extent

Rating 20,000-200,000 square km (about 8000-80,000 square miles)
Comments Range extent in OR about 100,000 sq km

Area of Occupancy

Grid Cell Size
Rating (as Number of 4 km² Grid Cells) F = 126-500
Comments Over 300 PODs points post-2000, intersecting with 194 unique 4km² grid cells.

ABUNDANCE AND CONDITION

Number of Occurrences

Rating 6 - 80
Comments Not currently tracked, but based on recent PODs records, there are about 20 - 30 potential Eos

Population Size

Rating 1000 - 2500 individuals
Comments 1,200 individuals in OR, Partners in Flight Population Estimates Database (range 0 - 5,500).

Good Viability/Ecological Integrity

Number of Occurrences with Good Viability/Ecological Integrity

Rating Unknown

THREATS

Calculated Overall Threat Impact BC = High - medium

Assigned Overall Threat Impact BC = High - medium

Overall Threat Impact Comments

Low reproductive rate. Fire and insect control may be threats.

Overall Threat Impact Adjustment Reasons

Timber harvest, fire suppression, snag removal, pesticide applications.

TRENDS

Short-Term Trend

Rating U = Unknown

Comments

Trends unknown in Oregon.

Long-Term Trend

Rating

ADDITIONAL SPECIES INFORMATION

Oregon Habitat Comments

Nests in medium to older forests with moderate to high levels of canopy closure and an open understory or an open area adjacent to the forest. Closely associated with ponderosa pine forests, but also use mixed forests with a ponderosa pine component.

RANKING REFERENCES

<u>Short Citation</u>	<u>Author</u>	<u>Year</u>	<u>Full Citation</u>
Buchanan		2003	Buchanan, J. B. 2003. Flammulated Owl (<i>Psiloscops flammeolus</i>). pp 309-310 in <i>Birds of Oregon: A General Reference</i> . D.B. Marshall, M.G. Hunter, and A. L. Contreras, eds. Oregon State University Press, Corvallis, OR.
Linkhart and McCallum		2013	Linkhart, B. D. and D. A. McCallum. 2013. Flammulated Owl (<i>Psiloscops flammeolus</i>), version 2.0. In <i>The Birds of North America</i> (A. F. Poole, Editor). Cornell Lab of Ornithology, Ithaca, NY, USA. https://doi.org/10.2173/bna.93
Partners In Flight		2019	Partners in Flight. 2019. Population Estimates Database, version 3.0. Available at http://pif.birdconservancy.org/PopEstimates . Accessed on 05/07/2019.
Partners In Flight		2019	Partners in Flight. 2019. Avian Conservation Assessment Database, version 2019. Available at http://pif.birdconservancy.org/ACAD . Accessed on 03/05/19.

RESOURCES

Oregon Biodiversity Information Center, Institute for Natural Resources
Portland State University, Mail Stop: INR, PO Box 751, Portland, OR 97207-0751 Phone: 503-725-9950

Additional ORBIC species ranking forms posted at
<https://inr.oregonstate.edu/orbic/rare-species/ranking-documentation>

Information on Natural Heritage ranking methodology is available at
<http://www.natureserve.org/biodiversity-science/publications/natureserve-conservation-status-assessments-methodology-assigning>

The Conservation Rank Calculator is developed and maintained by NatureServe and is available from
<http://www.natureserve.org/conservation-tools/conservation-rank-calculator>

ASSESSMENT CITATION

Oregon Biodiversity Information Center. 2019. Oregon state rank assessment for Flammulated owl (*Psiloscops flammeolus*).
Institute for Natural Resources, Portland State University, Portland, OR.