

Natural Heritage Ranking Form - Oregon State Rank

Oregon Ranking Form Del Norte salamander (*Plethodon elongatus*)

Oregon Biodiversity Information Center

SPECIES ASSESSED

Scientific Name *Plethodon elongatus* ELCODE AAAAD12050
Common Name Del Norte salamander Element ID 6276

Species Concept Reference Citation

Frost, D. R. 1985. Amphibian species of the world. A taxonomic and geographical reference. Allen Press, Inc., and The Association of Systematics Collections, Lawrence, Kansas. v + 732 pp.

CONSERVATION STATUS RANK

Assigned Rank **S3**

Rank Assignment Author	E. Gaines	Rank Review Date	5/03/2019
Rank Factors Author	E. Gaines	Rank Factors Date	01/18/2019
Calculated Rank	S3	Rank Change Date	05/03/2019
Rank Methodology Used	Rank calculator v.3.1x - 2011-2015 rank factors		

Assigned Rank Reasons

Limited range, but relatively common within range. 2019 update from Bruce Bury: Declining in logged areas.

RANGE/DISTRIBUTION

Range Extent

Rating 5000-20,000 square km (about 2000-8000 square miles)
Comments Range extent = 9,841 sq km based on PODs and EOs

Area of Occupancy

Grid Cell Size
Rating (as Number of 4 km² Grid Cells) FG = 126-2,500
Comments 495 4 km sq grid cells based on PODS and no buffer. With 1 km buffer, = 1056 4 km sq grid cells.

ABUNDANCE AND CONDITION

Number of Occurrences

Rating 21 - 80

Good Viability/Ecological Integrity

Number of Occurrences with Good Viability/Ecological Integrity

Rating Some (13-40)

THREATS

Calculated Overall Threat Impact

Assigned Overall Threat Impact C = Medium
Overall Threat Impact Comments

Require older forests. Concern over population fragmentation.

TRENDS

Short-Term Trend

Rating F = Decline of 10-30%

Long-Term Trend

Rating G = Relatively Stable (<=10% change)

ADDITIONAL SPECIES INFORMATION

Oregon Habitat Comments

P. e. stormi colonizes talus slopes created by road cuts.

RANKING REFERENCES

<u>Short Citation</u>	<u>Author</u>	<u>Year</u>	<u>Full Citation</u>
Bury			Bury, Bruce R. Biologist with USGS. He has provided <i>Rana</i> sp. sighting data for NRIS fauna database.
ORBIC		2019	Oregon Biodiversity Information Center. 2019. Point Observation Database (PODs). Unpublished species point observations collated from many sources across Oregon.
Welsh and Bury		2005	Welsh, Jr., H. H. and R. B. Bury. 2005. <i>Plethodon elongatus</i> Van Denburgh, 1916 Del Norte Salamander. Pp. 806-807 in M. Lannoo (ed.), <i>Amphibian Declines, The Conservation Status of United States Species</i> , Berkeley: University of California Press.

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 Del Norte salamander (*Plethodon elongatus*).
Institute for Natural Resources, Portland State University, Portland, OR.