

Natural Heritage Ranking Form - Oregon State Rank

Oregon Ranking Form Northern leopard frog (*Lithobates pipiens*)

Oregon Biodiversity Information Center

SPECIES ASSESSED

Scientific Name *Lithobates pipiens* ELCODE AAABH01170
Common Name Northern leopard frog Element ID 6298

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 **S1S2**

Rank Assignment Author	E. Gaines	Rank Review Date	1/24/2019
Rank Factors Author	E. Gaines	Rank Factors Date	01/24/2019
Calculated Rank	S1S2	Rank Change Date	12/17/2003
Rank Methodology Used	Rank calculator v.3.1x - 2011-2015 rank factors		

Assigned Rank Reasons

Trends unknown, but very few populations in OR.

Rank Adjustment Reasons

Reduced rank to S1S2 because there are only 2 extant populations known.

RANGE/DISTRIBUTION

Range Extent

Rating 1000-5000 square km (about 400-2000 square miles)
Comments 1703 sq km

Area of Occupancy

Grid Cell Size
Rating (as Number of 4 km² Grid Cells) D = 6-25
Comments Historic and extant EOS cover 9 4km² grid cells. Peripheral to Oregon.

ABUNDANCE AND CONDITION

Number of Occurrences

Rating 1 - 20

Good Viability/Ecological Integrity

Number of Occurrences with Good Viability/Ecological Integrity

Rating Very few (1-3)

Comments

Limited to Malheur Co. Both extant records in vicinity of Vale, within 10 miles of each other.

THREATS

Calculated Overall Threat Impact B = High

Assigned Overall Threat Impact B = High

Overall Threat Impact Adjustment Reasons

Invasive species, disease, climate change

TRENDS**Short-Term Trend****Rating** U = Unknown**Long-Term Trend****Rating** U = Unknown**ADDITIONAL SPECIES INFORMATION****Oregon Habitat Comments**

Avoids ponds devoid of vegetation--prefers cattail or sedge marshes or temporary ponds with some kind of vegetation in the water.

RANKING REFERENCES

<u>Short Citation</u>	<u>Author</u>	<u>Year</u>	<u>Full Citation</u>
ORBIC		2019	Oregon Biodiversity Information Center. 2019. Point Observation Database (PODs). Unpublished species point observations collated from many sources across Oregon.

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 Northern leopard frog (*Lithobates pipiens*).
Institute for Natural Resources, Portland State University, Portland, OR.