

Natural Heritage Ranking Form - Oregon State Rank

Oregon Ranking Form Blotched tiger salamander (*Ambystoma mavortium melanostictum*) Oregon Biodiversity Information Center

SPECIES ASSESSED

Scientific Name	<i>Ambystoma mavortium melanostictum</i>	ELCODE	AAAAA01143
Common Name	Blotched tiger salamander	Element ID	13028

Species Concept Reference Citation

Collins, J. T. 1990. Standard common and current scientific names for North American amphibians and reptiles. 3rd ed. Society for the Study of Amphibians and Reptiles. Herpetological Circular No. 19. 41 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		

Rank Adjustment Reasons

Added '?' because of uncertainty surrounding some populations - may be introduced (fishing bait).

RANGE/DISTRIBUTION

Range Extent

Rating 20,000-200,000 square km (about 8000-80,000 square miles)
Comments 47,690 sq km

Area of Occupancy

Grid Cell Size
Rating (as Number of 4 km² Grid Cells) E = 26-125
Comments 32 4km grid cells, unbuffered.

ABUNDANCE AND CONDITION

Number of Occurrences

Rating 1 - 20

Good Viability/Ecological Integrity

Number of Occurrences with Good Viability/Ecological Integrity

Rating Few to some (4-40)
Comments

Little information on viability available.

THREATS

Calculated Overall Threat Impact

Assigned Overall Threat Impact C = Medium
Overall Threat Impact Comments

Some populations may be introduced (fishing bait). Native populations may be threatened by hybridization with introduced individuals. Introduced predators.

TRENDS

Short-Term Trend

Rating U = Unknown

Long-Term Trend

Rating U = Unknown

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 Blotched tiger salamander (*Ambystoma mavortium melanostictum*). Institute for Natural Resources, Portland State University, Portland, OR.