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# Oregon State Ranking Assessment for Preble's Shrew (*Sorex preblei*)

Misty Nelson

*Portland State University*

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# Natural Heritage Ranking Form - Oregon State Rank

Oregon Ranking Form    Preble's shrew (*Sorex preblei*)

Oregon Biodiversity Information Center

## SPECIES ASSESSED

<b>Scientific Name</b>	<b><i>Sorex preblei</i></b>	<b>ELCODE</b>	AMABA01030
<b>Common Name</b>	<b>Preble's shrew</b>	<b>Element ID</b>	6958

Wilson, D. E., and D. M. Reeder (editors). 1993. Mammal species of the world: a taxonomic and geographic reference. Second edition. Smithsonian Institution Press, Washington, DC. xviii + 1206 pp. Available online at: <http://www.nmnh.si.edu/msw/>.

## CONSERVATION STATUS RANK

<b>Assigned Rank</b>	<b>S3</b>		
<b>Rank Assignment Author</b>	Nelson, Misty	<b>Rank Review Date</b>	10/26/2023
<b>Rank Factors Author</b>	Nelson, Misty	<b>Rank Factors Date</b>	10/26/2023
<b>Calculated Rank</b>	S3	<b>Rank Change Date</b>	01/09/2024
<b>Rank Methodology Used</b>	Rank calculation - Biotics v2		

### Assigned Rank Reasons

Very little information or data available for this species. It's distribution is relatively large, however, and it has been observed in a variety of habitats throughout its range.

## RANGE/DISTRIBUTION

### Range Extent

<b>Rating</b>	5000-20,000 square km (about 2000-8000 square miles)		
<b>Estimate</b>	7491	<b>Unit Used for Estimate</b>	Square Kilometers
<b>Comments</b>	7,491 sq km based on EO records.		

### Area of Occupancy

<b>Grid Cell Size</b>	4 km <sup>2</sup> Grid Cells		
<b>Rating (as Number of 4 km<sup>2</sup> Grid Cells)</b>	E = 26-125		
<b>Comments</b>	35 4-sq-km grid cells based on EO records.		

## ABUNDANCE AND CONDITION

<b>Rating</b>	6 - 20		
<b>Estimate</b>	6		
<b>Comments</b>	6 EOs in Biotics, all with observation dates pre-2000.		

<b>Rating</b>	Unknown		
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### Number of Occurrences with Good Viability/Ecological Integrity

<b>Rating</b>			
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## THREATS

**Calculated Overall Threat Impact****Assigned Overall Threat Impact**      U = Unknown**TRENDS****Short-Term Trend****Rating**      U = Unknown**Long-Term Trend****Rating**      U = Unknown**ADDITIONAL SPECIES INFORMATION****Oregon Habitat Comments**

Most references suggest it is found in marsh-type habitat in Upper Sonoran and Transition Life Zones. However, said to occur in sub-alpine dry bunchgrass habitat as high as 9,200 ft. Also along willow-fringed creeks.

**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**

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