

Natural Heritage Ranking Form - Oregon State Rank

Oregon Ranking Form Sagebrush sparrow (*Artemisiospiza nevadensis*)

Oregon Biodiversity Information Center

SPECIES ASSESSED

Scientific Name *Artemisiospiza nevadensis*

ELCODE ABPBX97040

Common Name Sagebrush sparrow

Element ID 365280

Species Concept Reference Citation

American Ornithologists' Union (AOU). Chesser, T.R., R.C. Banks, F.K. Barker, C.Cicero, J.L. Dunn, A.W. Kratter, I.J. Lovette, P.C. Rasmussen, J.V. Remsen Jr., J.D.Rising, D.F. Stotz and K.Winker. 2013. Fifty-Fourth Supplement to the American Ornithologists' Union Check-list of North American Birds. Auk 130(3):558-571.

CONSERVATION STATUS RANK

Assigned Rank **S4B**

Rank Assignment Author	Gaines, Eleanor	Rank Review Date	3/23/2016
Rank Factors Author	Gaines, Eleanor	Rank Factors Date	03/23/2016
Calculated Rank	S4	Rank Change Date	07/21/1986
Rank Methodology Used	Rank calculator v.3.1x - 2011-2015 rank factors		

Assigned Rank Reasons

Common species in suitable habitat, but threatened by habitat loss and invasive species.

RANGE/DISTRIBUTION

Range Extent

Rating 20,000-200,000 square km (about 8000-80,000 square miles)

Comments Throughout E OR in suitable habitat. May be difficult to find.

Area of Occupancy

Grid Cell Size

Rating (as Number of 4 km² Grid Cells) G = 501-2,500

Comments Based on ODFW's sage-grouse occupied habitat map as a proxy for Sagebrush Sparrow habitat.

ABUNDANCE AND CONDITION

Number of Occurrences

Rating

Comments

Population Size

Rating 100,000 - 1,000,000 individuals

Comments

PIF: about 300,000 individuals in Oregon.

Good Viability/Ecological Integrity

Number of Occurrences with Good Viability/Ecological Integrity

Rating Unknown

THREATS

Calculated Overall Threat Impact C = Medium

Assigned Overall Threat Impact C = Medium

Overall Threat Impact Adjustment Reasons

Threatened by habitat loss, invasive grasses

TRENDS**Short-Term Trend****Rating****Comments**

BBS data show no trend.

Long-Term Trend**Rating** G = Relatively Stable (<=10% change)**OTHER FACTORS****Intrinsic Vulnerability Rating****Comments****Environmental Specificity Rating** Narrow. Specialist or community with key requirements common.**Comments**

Shrub habitats, including sagebrush and juniper

RANKING REFERENCES

<u>Short Citation</u>	<u>Author</u>	<u>Year</u>	<u>Full Citation</u>
Miller		2003	Miller, C. R. 2003. Sagebrush Sparrow (<i>Artemisiospiza nevadensis</i>). 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.
ODFW		2018	Oregon Department of Fish and Wildlife. 2018. Greater Sage-Grouse occupied habitat GIS layer. Available at: http://oregonexplorer.info/content/sagecon-data?topic=203&ptopic=179
PIF		2012	Partners in Flight. 2012. Avian Conservation Assessment Database, version 2014. Available at http://pif.birdconservancy.org/ACAD .
Partners In Flight		2013	Partners in Flight. 2013. Landbird Population Estimates Database. 2013. Available at http://pif.birdconservancy.org/PopEstimates/ . Marshall, D.B., M.G. Hunter, and A.L. Contreras, Eds. 2003. <i>Birds of Oregon: A General Reference</i> . Oregon State University Press, Corvallis, OR. 768Pp.

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. 2016. Oregon state rank assessment for Sagebrush sparrow (*Artemisospiza nevadensis*). Institute for Natural Resources, Portland State University, Portland, OR.