

Heritage Ranking Form - State Rank

Scientific Name: *Parastrellus hesperus*
Common Name: Canyon bat
Classification: Vertebrate Animal

Heritage Rank: **S3**

Rank Date: 7/13/2016

Comments: Patchy distribution in Oregon, where present it tends to be found in low numbers. Rodhouse et al. (2015) identified it as 'rare'.

Range Extent: F = 20,000-200,000 sq km (~8,000-80,000 sq mi)

Comments: 99,331 sqkm

Population Size: U = Unknown

Comments: None

Number of Occurrences: B = 6 - 20

Comments: Approximately 19 occurrences based on post-2000 PODs records buffered to 5km. Detected at 2 of 6 National Wildlife Refuges in low numbers (Barnett 2014)

Area of Occupancy: G = 501-2,500 4-km² grid cells

Comments: 810 4km² grid cells based on post-2000 PODs records buffered to 5km.

Good Viability: BC = Very few to few (1-12) occurrences with good viability

Comments: Detected at 2 of 6 National Wildlife Refuges in low numbers (Barnett 2014)

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: U = Unknown

Comments: None

Long Term Trends: U = Unknown

Comments: None

Threat Impact: BC = High - Medium

Comments: Grazing and ag conversion, fragmentation of sagebrush and desert; water impoundments

mining, road construction, and creation of water impoundments can destroy roost sites and kill roosting canyon bats (WBWG 2005). The species has presumably also experienced a reduction in foraging habitat caused by the loss and fragmentation of shrub-steppe and grasslands near cliff faces with day roosts

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: None

References:

Western Bat Working Group. 2005. Species accounts. Western Bat Working Group, Rapid City, South Dakota. <http://www.wbwg.org/speciesinfo/species_accounts/species_accounts.html>

Rodhouse, T. J., P. Ormsbee, K. M. Irvine, L. A. Vierling, J. M. Szewcsak, and K. Vierling. 2015. Establishing conservation baselines with dynamic distribution models for bat populations facing imminent decline. *Divers. Distrib.* 21:1401–1413. doi:10.1111/ddi.12372.

Barnett, J. K. 2014. Region 1 acoustic bat inventory: national wildlife refuges in Eastern Oregon, Eastern Washington, and Idaho. US Fish and Wildlife Service, Portland, OR. Unpublished report

Verts, B.J. and L.N. Carraway. 1998. *Land Mammals of Oregon*. University of California Press, Berkeley CA. 668 pp.

Rank Author: E Gaines

Oregon Biodiversity Information Center, Institute for Natural Resources

Portland State University www.orbic.pdx.edu

Mail Stop: INR, PO Box 751 www.pdx.edu/inr

Portland, OR 97207-0751 503-725-9950