

Heritage Ranking Form - State Rank

Scientific Name: *Bombus suckleyi*
Common Name: Suckley's Cuckoo Bumble Bee
Classification: Invertebrate Animal

Heritage Rank: **S1?**

Rank Date: 6/27/2016

Comments: Apparent steep population declines coincident with declines of host species, *B. occidentalis*. No recent records for OR. This species once had a broad distribution in OR.

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

Comments: Range extent, based on Xerces records: 122,513 sq km.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: Not currently tracked. 19 EOs based on Xerces known records. However all records are prior to 1995. .

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

Comments: 627 4km² grid cells based on Xerces known records buffered to 5 km.

Good Viability: A = No occurrences with excellent or good (A or B) viability or ecological integrity

Comments: No known extant populations.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: AD = Decline of >50%

Comments: Xerces estimates an average decline of 77%

Long Term Trends: U = Unknown

Comments: None

Threat Impact: B = High

Comments: Decline of host species, potential threats from introduced pathogens, pesticide use.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: Calculator Rank (unrevised)=S1. Some uncertainty about rank because comprehensive surveys have not been completed. It is possible, though not documented, that the species may be able to use other hosts.

References: Xerces Geodatabase| Hatfield, R., Jepsen, S., Thorp, R., Richardson, L. & Colla, S. 2015. *Bombus suckleyi*. The IUCN Red List of Threatened Species 2015: e.T44937699A46440241.
<http://dx.doi.org/10.2305/IUCN.UK.2015-2.RLTS.T44937699A46440241.en>

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