

Heritage Ranking Form - State Rank

Scientific Name: *Callophrys johnsoni*
Common Name: Johnson's hairstreak
Classification: Invertebrate Animal

Heritage Rank: **S3**

Rank Date: 6/30/2016

Comments: Patchy distribution and erratic abundance. May occur in other areas; comprehensive searches needed. Populations may be overlooked because they occur in the canopy. Suitable habitat

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

Comments: 59,723 sq km range extent based on ORBIC existing EOs

Population Size: Not assessed

Comments: None

Number of Occurrences: 0

Comments: 11 known EOs

Area of Occupancy: FG = 126-2,500 4-km² grid cells

Comments: 594 4-km² grid cells based on existing EOs buffered to 5 km.

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: 10 EOs are post-2000, 1 is historic (1950s). No information on viability of these populations. Abundance is erratic from year to year (Andrews 2011).

Environmental Sensitivity: B = Narrow. Specialist or community with key requirements common

Comments: Restricted to older forests (Pyle 2010).

Short Term Trends: 0

Comments: None

Long Term Trends: 0

Comments: None

Threat Impact: B = High

Comments: Logging and other habitat destruction, spraying B.t. and pesticides to control pests, hybridization with the Thicket hairstreak

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: None

References: ORBIC Element Occurrence records | Pyle, R. M. 2002. The Butterflies of Cascadia. A Field Guide to all the Species of Washington, Oregon, and Surrounding Territories. Seattle Audubon Society. 420 pp Warren, A. D. 2005. Butterflies of Oregon: Their Taxonomy, Distribution and Biology. Lepidoptera of North America No. 6. Contributions of the C. P. Gillette Museum of Arthropod Diversity, Colorado State University. 408 pp. Andrews, H. 2011. Species Fact Sheet: *Callophrys johnsoni* prepared for USFS ISSSSP. Available at: <http://www.fs.fed.us/r6/sfpnw/issssp/species-index/fauna-invertebrates.shtml> | Spiegel, L. H. 2014. Johnson's Hairstreak Butterfly (*Callophrys johnsoni*) in the Blue Mountains. Wallowa-Whitman National Forest Blue Mountains Forest Insects and Disease Service Center. BMPMSC-14-01. Available at <http://www.fs.fed.us/r6/sfpnw/issssp/species-index/fauna-invertebrates.shtml> |

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