

Heritage Ranking Form - Global Rank

Scientific Name: Castilleja oresbia

Common Name: Pale Wallowa Indian-paintbrush

Classification: Vascular Plant

Range Extent: EF = 5000-200,000 sq km (~2000-80,000 sq miles)

27600 km² range using all herbarium records, 16000 km² using only sightings from 1990s-present. Range is likely to be larger than represented by specimens.

Population Size: BF = 50 - 100,000 individuals

Comments: When last reviewed in 1999, total plant numbers were assumed to be over 3000 and close to 10,000 if not greater. Both states in which Castilleja oresbia is found consider it too common to track.

Number of Occurrences: BD = 6 - 300

Comments: Herbarium records include 5 recent sightings and an additional 6 that may be historical. Previous review in 1999 estimated 20-80 occurrences, possibly over 100.

Area of Occupancy: DF = 6-500 4-km² grid cells

Comments: 5 recent sightings and an additional 6 that may be historical; Darrach reports one population on Umatilla NF. Since this species is not currently tracked in OR or ID, there are likely many more sites in existence.

Good Viability: CD = Few to some (4-40) occurrences with good viability

Comments: This species is protected in the Eagle Cap Wilderness Area. It may also be protected elsewhere.

Environmental Specificity: Not Evaluated

Comments: None

Short Term Trends: FG = Decline of <30% to relatively stable

Comments: Darrach reports steep declines of *Artemisia rigida*, a host species of this plant, and a single population on the Umatilla NF.

Long Term Trends: U = Unknown

Comments: None

Threat Impact: BC = High - Medium

Comments: Darrach reports steep declines of *Artemisia rigida* and increasing *Ventenata* as threats to this species. Calculated as not vulnerable to climate change.

Intrinsic Vulnerability: B = Moderately vulnerable

Comments: *Castilleja oresbia* is assumed to be fairly resistant to non-destructive intrusion.

Heritage Rank: G3

Comments: Limited to NE Oregon and NW Idaho. Its primary habitat and host plants (sagebrush including *Artemisia rigida*) have been declining. Non-native plants such as *Ventenata dubia* are also a threat.

Rank Notes: Calculator Rank (unrevised)=G2G4. Rounded rank to G3. Specific numbers are not known for this species but G3 fits with its limited range and changing habitat. Tweaking population or occurrence numbers down, or threats up, results in G3 or G2G3.

Reference: None

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