

Heritage Ranking Form - Global Rank

Scientific Name: Eriogonum villosissimum

Common Name: Acker Rock wild buckwheat

Classification: Vascular Plant

Range Extent: A = <100 sq km (< ~40 sq mi)

Comments: Restricted to one site, Douglas County

Area of Occupancy: A = 1 4-km² grid cell

Comments: Restricted to one site in southern West Cascades

Number of Occurrences: A = 1 - 5

Comments: Only known from one occurrence

Population Size: BD = 50 - 2500 individuals

Comments: No specific numbers known, estimated from 50 to 2500

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: None

Environmental

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

Comments: Older volcanic rock outcrop composed of andesite rhyodacite. Outcrop formed between late Eocene to late Miocene, not capped by younger volcanic materials (Reveal et al. 2009)

Short Term Trends: G = Relatively Stable (<=10% change)

Comments: None

Long Term Trends: G = Relatively Stable (<=10% change)

Comments: None

Threat Impact: B = High

Comments: Rock climbing routes within population; some protection from seasonal closure Jan-mid July because of peregrine falcon nesting. In addition, grows on open rock, appears unable to compete with other vegetation; climate change will affect vegetative patterns.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: G1

Comments: Only known from one location in southern Oregon, nearby similar habitat searched but not found. Continued field surveys may find more populations but the one extant site is currently threatened by rock climbing recreationists. Partial protection due to the proximity of another rare species which closes the site to visitation for part of the year.

Rank Notes: None

Reference: Reveal, James L., Dana York, and Richard Helliwell. 2009. *Eriogonum villosissimum* (Polygonaceae: Eriogonoideae), a new species endemic to Acker Rock, Oregon. *J. Bot. Res. Inst. Texas* 3(2): 639-643

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