

Heritage Ranking Form - State Rank

Scientific Name: Trifolium douglasii

Common Name: Douglas clover

Classification: Vascular Plant

Range Extent: C = 250-1,000 sq km (~100-400 sq mi)

996 km² calculated by convex hull of known Oregon populations. Most sites are within a 260 km² area.

Population Size: F = 10,000 - 100,000 individuals

Comments: Over 51,000 plants reported in 1990s and 2000s. Several sites with 1000s of plants; many others with no population data.

Number of Occurrences: B = 6 - 20

Comments: 19 EOs using 1km separation distance.

Area of Occupancy: E = 26-125 4-km² grid cells

Comments: 45 4km² grid cells occupied.

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

Comments: 4 EOs (two very large) with good viability using 1km separation distance.

Environmental Specificity: BC = Narrow to moderate

Comments: Moist to wet meadows; but also seen by Darrach (2009) in more arid locations with sage brush and by Antell (2012) on rocky ridges.

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

Comments: Little revisit data, but those sites with multiple years' of data are either stable, increasing, or slightly declining.

Long Term Trends: U = Unknown

Comments: Little revisit data.

Threat Impact: C = Medium

Comments: Habitat is threatened by grazing and timber harvest practice. E-mails from Mark Darrach (2009) and Karen Antell (2012) state at least some plants are rhizomatous so perhaps more tolerant of grazing than previously thought. Calculated as moderately vulnerable to climate change.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: S2

Comments: Many EOs and relatively large population sizes (assumed from 1990s and 2000s sighting reports) but few sites have been revisited after initial inventory. Majority of the population is within a 260 km² area on the Wallowa-Whitman and Umatilla National Forests. Populations threatened by grazing and logging, though severity of threat is uncertain. Those populations with revisit data have been stable, increasing, or slightly declining.

Rank Notes: Calculator Rank (unrevised)=S3. Could use more recent revisit data to get better idea of current plant numbers. Some uncertainty about threat severity.

Reference: Darrach, Mark. Botanist with Umatilla National Forest. E-mail to Sue Vrilakas in 2009. Antell, Karen. Botany professor, Eastern Oregon University. E-mail to Jimmy Kagan in 2012.

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Rank Author: Lindsey Wise

Oregon Biodiversity Information Center
Institute for Natural Resources
Portland State University
Mail Stop: INR, PO Box 751
Portland, OR 97207-0751
503-725-9950
www.orbic.pdx.edu