

Heritage Ranking Form - Global Rank

Scientific Name: Lomatium ochocense

Common Name: Ochoco Desert-parsley

Classification: Vascular Plant

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

Currently known from a 20-square mile area near the North Fork of the Crooked River in the Ochoco Mts. of central Oregon, in Crook County. Range 10 km² calculated by convex hull.

Population Size: EF = 2500 - 100,000 individuals

Comments: One site had approximately 50,000 plants in 1996, but the other populations are much smaller (in the 100s).

Number of Occurrences: A = 1 - 5

Comments: Only known from 4 occurrences.

Area of Occupancy: C = 3-5 4-km² grid cells

Comments: 4 4km² grid cells occupied.

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

Comments: 1 to 3 occurrences with good viability.

Environmental Specificity: Not Evaluated

Comments: None

Short Term Trends: CG = Decline of <80% to Relatively Stable

Comments: Not much revisit data, so very hard to gauge trend. 80% value based on a population that was 50,000 in 1996 and "1001-10000" in 1997, no more recent data on this largest population of Ochoco desert-parsley.

Long Term Trends: U = Unknown

Comments: None

Threat Impact: D = Low

Comments: Only potential threat is grazing. Populations are within a grazing allotment but see little cattle use due to lack of forage. Browsing by mule deer has been documented (Helliwell 2010). Presumed stable to climate change (calculated using NatureServe CCVI in 2012).

Intrinsic Vulnerability: B = Moderately vulnerable

Comments: None

Heritage Rank: G2

Comments: Oregon endemic, with only 4 occurrences currently known, though threats are minimal. Presumed stable/not vulnerable to climate change. Trend status and current population numbers are unclear as few revisits have been made, populations may be stable or declining.

Rank Notes: Calculator Rank (unrevised)=G1G3. For the time being G2 is a good compromise for the lack of specifics on trends and population.

Reference: Helliwell, R. 2010. A new Lomatium (Apiaceae) from the Ochoco Mountains of central Oregon. J. Bot. Res. Inst. Texas 4(1): 7-11. Gitzendanner, M.A. 1998. Genetic analysis of LOMATIUM OCHOCENSE. Final report on Challenge Cost Share Grant issued by Ochoco National Forest, U.S. Forest Service. 14 pp. Unpublished document, Ochoco NF, Prineville, OR

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