Heritage Ranking Form - Global Rank

**Scientific Name:** Lomatium erythrocarpum

**Common Name:** Red-fruited Lomatium

**Classification:** Vascular Plant

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

Elkhorn Range, Baker-Union-Grant Cos., Oregon, U.S.A. 7 km2 calculated with convex hull.

**Population Size:** E = 2,500 - 10,000 individuals

Comments: 6325 estimated in 2000s, counts fluctuate depending on timing of surveys and winter snow pack but probably not more than several thousand plants.

**Number of Occurrences:** A = 1 - 5

Comments: Known only from a few sites. 5 EOs using 1 km separation distance.

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

Comments: 5 4 km2 grid cells occupied.

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

Comments: 2 EOs with good viability.

**Environmental Specificity:** Not Evaluated

Comments: None

**Short Term Trends:** G = Relatively Stable (<=10% change)
Comments: Most sites are stable or increasing.

**Long Term Trends:**  
U = Unknown

Comments: None

**Threat Impact:**  
B = High

Comments: Hikers, trail maintenance crews, mountain goats, though these have so far had minimal impact on populations. Climate change may be the greatest threat leading to loss of alpine habitat.

**Intrinsic Vulnerability:**  
B = Moderately vulnerable

Comments: None

**Heritage Rank:**  
G1G2

Comments: Endemic to a small, high elevation area of the Blue Mountains of eastern Oregon. While only a few populations are known, they appear to be stable with an estimated total population of about 6000 plants. Although there are some documented impacts from mountain goats, a non-native species introduced to the area in the 1980s, plant populations remain stable. Climate change is a major threat to this high-elevation species. Monitoring should continue to keep tabs on these threats.

Rank Notes: Calculator Rank (unrevised)=G2. Changed to G1G2 due to the potential impacts of climate change. Calculated rank fluctuates depending on threat score (very high = G1).


Rank Date: 9/20/2012  
Rank Author: