

California Status Factors

Elcode NLSM00001
Gname BUELLIA OIDALEA
Gcomname

Number of Occurrences

D = 81 - 300
E = >300

Comments 42-44 occurrences (Nordin 1999, ISMS map, not cited).

Number of Occurrences with Good Viability

C = Few (4-12) occurrences with good viability
D = Some (13-40) occurrences with good viability

Comments

Population Size

B = 50-250 individuals
C = 250-1,000 individuals

Comments Estimate. Very little known about crustose species populations.

Range Extent

F = 20,000-200,000 km² (about 8,000-80,000 square miles)

Comments Southern WA to southern Baja California, along the coast and on islands (Nordin 1999). About 66,000 square km, ignoring several inland sites on ISMS map.

Area of Occupancy

F = 500-2,000 km² (about 125,000-500,000 acres)

LF = 5,000-20,000 km (about 3,000-12,500 miles)

Comments 1,172 square km.

Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Long-term trend in population, range, area occupied, or number or condition of occurrences unknown

Comments

Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Short-term trend in population, range, area occupied, and number and condition of occurrences unknown.

Comments

Threats

U = Unknown. The available information is not sufficient to assign degree of threat as above. (Severity, scope, and immediacy are all unknown, or mostly [two of three] unknown or not assessed [null].)

Scope Unknown Severity Unknown Immediacy Unknown

Comments Not enough is known about the species yet.

Number of Appropriately Protected and Managed Occurrences

B = Few (1-3) occurrences appropriately protected and managed

Comments CA has 3 protected sites.

Intrinsic Vulnerability

C = Not Intrinsically Vulnerable. Species matures quickly, reproduces frequently, and/or has high fecundity such that populations recover quickly (< 5 years or 2 generations) from decreases in abundance; or species has high dispersal capability such that extirpated populations soon become reestablished through natural recolonization (unaided by humans). Ecological community occurrences are resilient or resistant to irreversible changes in composition and structure and quickly recover (within 10 years).

Comments

Environmental Specificity

A = Very Narrow. Specialist or community with key requirements scarce.

Comments Small distribution; probably narrowly specific to coastal environments.

Other Considerations

Edition 2/20/2003 **Edauthor** Daphne Stone

Grank S3 **Grank Date** 11/30/2002

Reasons

Apparently restricted to a narrow Pacific coastal environment. 44 populations are known, and these are well distributed along the length of the California coast.

BCD Sources

New Sources

Nordin A. 1999. Buellia species with pluriseptate spores. New and Unrecorded species in North America. Bryologist 102(2): 249-264.

Glavich, D, Geiser LH, and Mikulun A. 2002 unpubl. Assessment of the old-growth forest association and habitat requirements of federally listed coastal lichens from northern California, Oregon and Washington, USA. USDA-Forest Service.