

Washington Status Factors

Elcode PDRUB0N150
Gname GALIUM KAMTSCHATICUM
Gcomname

Number of Occurrences

C = 21- 80

Comments 55 extant occurrences in Washington.

Number of Occurrences with Good Viability

C = Few (4-12) occurrences with good viability

Comments 12 occurrences with greater than 500 stems, several of those with more than 3000 stems.

Population Size

U = Unknown

Comments Difficult to know, since taxon is rhizomatous.

Range Extent

E = 5,000-20,000 km² (about 2,000-8,000 square miles)

Comments North Cascades and Olympic Peninsula in Washington.

Area of Occupancy

B = 0.4-4 km² (about 100-1,000 acres)

LB = 4-40 km (about 2.5-25 miles)

Comments Most occurrences quite small, with the exception of one that is scattered over 450 acres.

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 The first occurrences were found in Washington in 1985. However, it is a species at the southern limit of its range, so global warming could affect these populations.

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

E = Stable. Population, range, area occupied, and/or number or condition of occurrences unchanged or remaining within $\pm 10\%$ fluctuation

Comments No current evidence of decline.

Threats

G = Slightly threatened. Threats, while recognizable, are of low severity, or affecting only a small portion of the population, occurrences, or area. Ecological community occurrences may be altered in minor parts of range or degree of alteration falls within the natural variation of the type.

Scope Unknown Severity Low Immediacy Moderate

Comments Major threats are: habitat loss due to changes in hydrology, either through upslope management activities or climate change; trampling; and management activities that directly affect overstory vegetation.

Number of Appropriately Protected and Managed Occurrences

D = Many (13-40) occurrences appropriately protected and managed

Comments The populations within the Mt. Baker-Snoqualmie National Forest are protected by a species management guide. Changes in species management could justify a change in rank to S2.

Intrinsic Vulnerability

U = Unknown

Comments Not much is known about the biology of the taxon.

Environmental Specificity

C = Moderate. Generalist or community with some key requirements scarce.

Comments Restricted to seeps with year-round saturated soil, and some overstory and understory cover.

Other Considerations

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Grank S3 **Grank Date** 11/26/2002

Reasons

55 extant occurrences, many protected under a species management guide. Also a number of relatively large occurrences.

BCD Sources

New Sources

Washington Natural Heritage dataset. 2002. Washington Department of Natural Resources. Olympia, WA.