

California Status Factors

Elcode IMGASK4120
Gname JUGA SP 3
Gcomname BROWN JUGA

Number of Occurrences

Comments Also some sites in similar region (referring to the Columbia Gorge) in California (Interagency Species Management System, via BLM).

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments Unknown

Population Size

U = Unknown

Comments Unknown

Range Extent

U = Unknown

Comments Unknown. Also some sites in similar region (referring to the Columbia Gorge) in California (Interagency Species Management System, via BLM).

Area of Occupancy

U = Unknown

LU = Unknown

Comments Unknown

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 Unknown

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 Unknown

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 Unknown. It is assumed that any activity that would degrade the quality of the spring in which this species occurs would threaten this species. Such activities might be diversion of water, nearby logging, and grazing.

Number of Appropriately Protected and Managed Occurrences

U = Unknown whether any occurrences are appropriately protected and managed

Comments Unknown.

Intrinsic Vulnerability

Comments Unknown

Environmental Specificity

Comments Often narrowly localized and restricted to small springs and spring sources, generally at low to medium elevations (Frest and Johannes, 1995c).

Other Considerations

Listed as Juga (Juga) n. sp. 1 in Frest and Johannes (1995c).

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Grank SU **Grank Date** 1/27/2003

Reasons

There are no cited occurrences of this species in California and its range in California is also unknown.

BCD Sources

New Sources

Frest, T.J. and E.J. Johannes. 1995c. Interior Columbia Basin mollusk species of special concern. Report to Interior Columbia Basin Ecosystem Management Project. 274 pp.
Interagency Species Management System. November 20002. ISMS data set. ISMS BLM and USFS, Portland, OR.