

Heritage Ranking Form - State Rank

Scientific Name: *Capnia kersti*
Common Name: A Stonefly
Classification: Invertebrate Animal

Heritage Rank: **S1**

Rank Date: 6/30/2016

Comments: Extremely rare. Surveys over the past 20 years have found this species at two sites. Habitat (summer-dry stream beds) is vulnerable in Willamette Valley.

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

Comments: 8.5 Sq km known range extent. Cary Kerst has been looking for this species and recently

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: Two populations, close to each other.

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

Comments: 4 4-km² grid cells. Kerst has searched appropriate habitat during the emergence period without success. Only known from 2 sites within a mile of each other.

Good Viability: AB = None to very few (0-3) occurrences with good viability

Comments: Uncertain viability, but populations are small.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: U = Unknown

Comments: None

Long Term Trends: 0

Comments: None

Threat Impact: B = High

Comments:

Habitat loss. Summer-dry streams are not afforded the protection of permanent streams and wetlands.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: None

References: ORBIC Element Occurrence records | Cary Kerst, pers. Comm. 3/15/15.

Rank Author: E Gaines

Oregon Biodiversity Information Center, Institute for Natural Resources
Portland State University www.orbic.pdx.edu
Mail Stop: INR, PO Box 751 www.pdx.edu/inr
Portland, OR 97207-0751 503-725-9950