
A Spring Stonefly

Cascadoperla trictura

Insecta — Plecoptera — Perlodidae

CONSERVATION STATUS / CLASSIFICATION

Rangewide: Vulnerable/Apparently secure (G3G4)
Statewide: Critically imperiled (S1)
ESA: No status
USFS: Region 1: No status; Region 4: No status
BLM: No status
IDFG: Not classified

BASIS FOR INCLUSION

Vulnerable.

TAXONOMY

The taxon was described in 1938 as *Perla trictura*. The taxon was later transferred to the genus *Isoperla* and more recently to the genus *Cascadoperla* (Szczytko and Stewart 1979). *Cascadoperla* is a monotypic genus.

DISTRIBUTION AND ABUNDANCE

This species occurs in scattered localities in the coastal and Cascade Mountain ranges in California, Oregon, Washington, and British Columbia and in the northern Rocky Mountains of Idaho and Montana. In Idaho the species has been found only in Shoshone County (Baumann et al. 1977).

Baumann et al. (1977) considered this species to be rare.

POPULATION TREND

No data are available to suggest population trend.

HABITAT AND ECOLOGY

Szczytko and Stewart (1979) summarized: "The life history and general biology of this species are unknown. Based on material examined, emergence occurs from mid-May until July in creeks and rivers." Baumann et al. (1977) noted that the adults emerge from April to July. No additional information has been documented since that time.

ISSUES

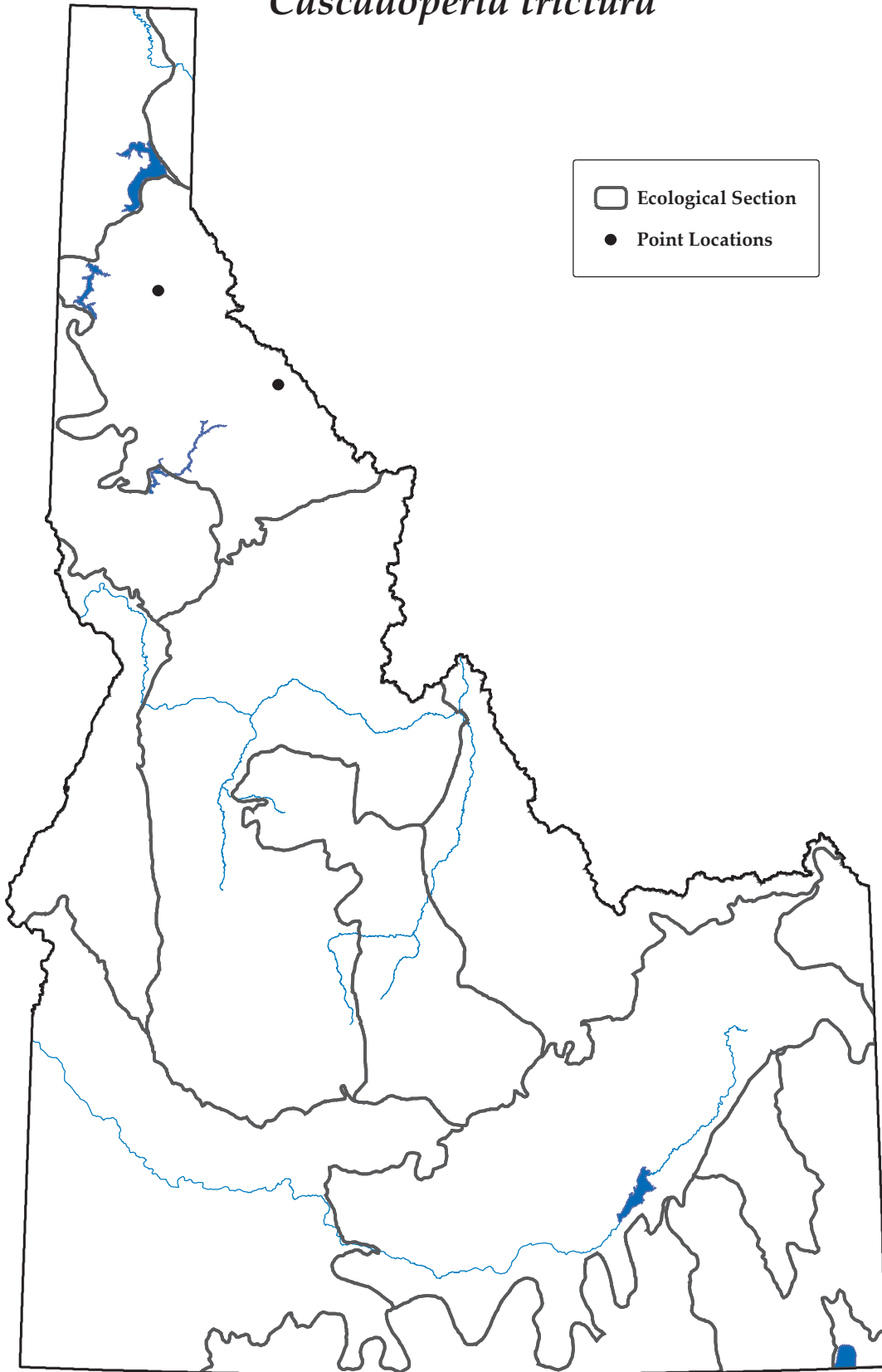
Specific threats to Idaho populations have not been identified. In general, stonefly populations are affected by changes to aquatic habitat, such as alteration of flow patterns, streambed substrate, thermal characteristics, and water quality. Alteration and degradation of aquatic habitat is the primary concern for Idaho populations.

RECOMMENDED ACTIONS

Field surveys are needed to determine the distribution and habitat needs of this species.

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Map created on December 6, 2005
and prepared by Idaho Conservation Data Center.
Sources: Point data are from Idaho Conservation Data Center,
Idaho Department of Fish and Game (2005).

