
A Stonefly

Zapada cordillera

Insecta — Plecoptera — Nemouridae

CONSERVATION STATUS / CLASSIFICATION

Rangewide: Vulnerable (G3)
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

Lack of essential information pertaining to status; restricted distribution and no population trend data.

TAXONOMY

This species was originally placed in the genus *Nemoura*. The subgenus *Zapada* was later raised to genus.

DISTRIBUTION AND ABUNDANCE

This stonefly occurs in Idaho, Oregon, Montana, Washington, California, and Manitoba. In Idaho the species has been found only in Idaho County (Baumann et al. 1977).

Zapada cordillera has been described as a rare species (Baumann et al. 1977).

POPULATION TREND

No data are available to suggest population trend.

HABITAT AND ECOLOGY

This species occurs in creeks and rivers, particularly in spring-influenced runs. Adults emerge in the months of March to May (Baumann et al. 1977).

ISSUES

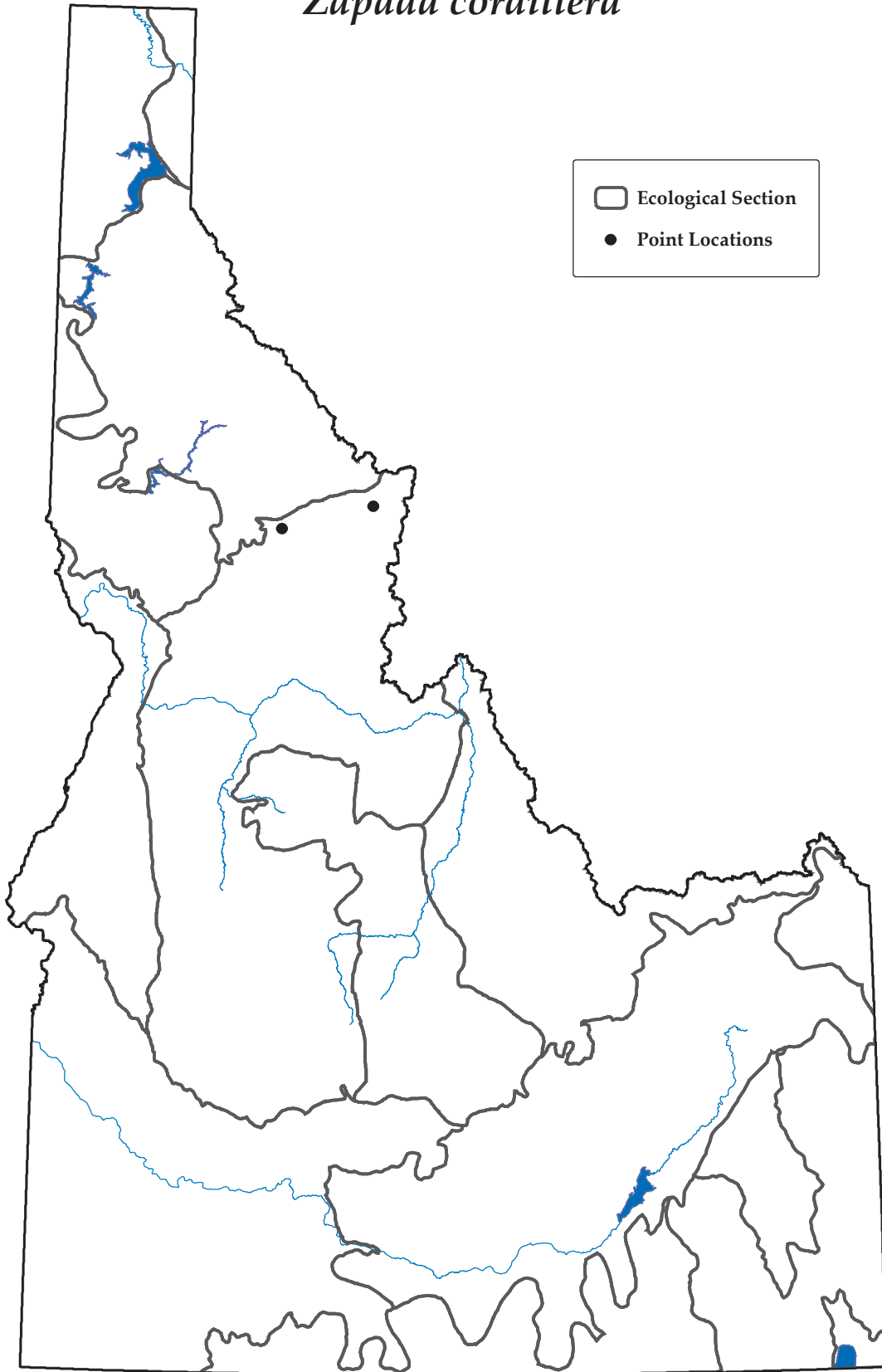
Specific threats to Idaho populations have not been identified. In general, stonefly populations are affected by changes to aquatic habitat, such as alteration of flow patterns, streambed substrate, thermal characteristics, and water quality. Because this species is associated with sites having particularly high water quality, populations may be especially vulnerable to alteration and degradation of aquatic habitat.

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).

