
A Stonefly

Capnia zukeli

Insecta — Plecoptera — Capniidae

CONSERVATION STATUS / CLASSIFICATION

Rangewide: Imperiled (G2)
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; no population trend data.

TAXONOMY

Capnia zukeli has been confused with *C. lineata*, and at one time the names were considered to be synonyms. Recent taxonomic evaluation (see Nelson and Baumann 1989) has demonstrated these taxa to be distinct species.

DISTRIBUTION AND ABUNDANCE

Capnia zukeli is an Idaho endemic. The species is known from localities in Latah County (Nelson and Baumann 1989).

Baumann et al. (1977) stated that *C. lineata* is a “rare species.” At the time of their publication, the authors were describing a combined taxon comprising both *C. lineata* and *C. zukeli*, so each of these taxa would be considered rare in its own right.

POPULATION TREND

No data are available to suggest population trend.

HABITAT AND ECOLOGY

No information has been documented that describes the habitat requirements of this species.

ISSUES

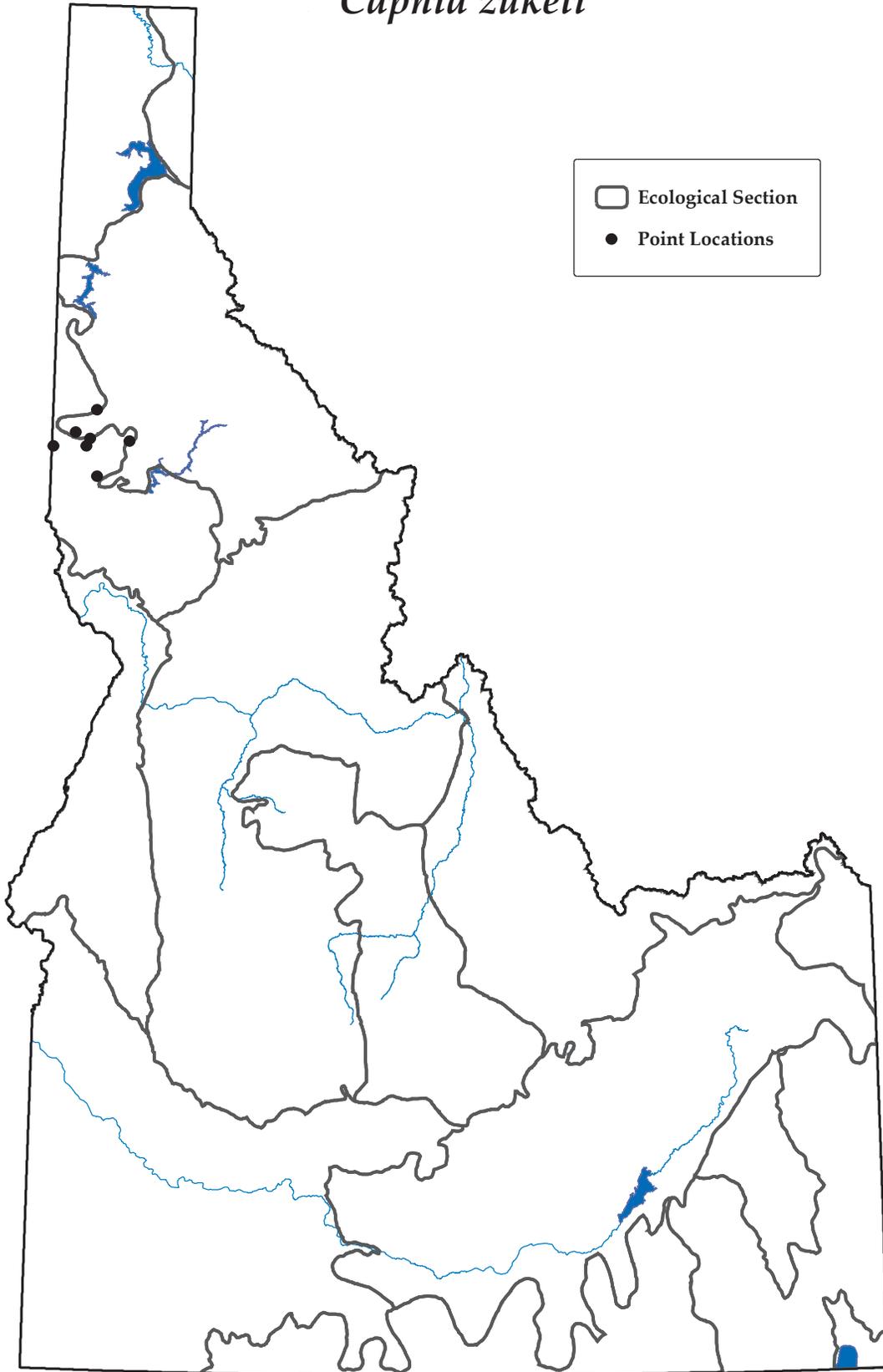
Specific threats to Idaho populations have not been identified. In general, stonefly populations are affected by changes to aquatic habitat, such as alteration of flow patterns, streambed substrate, thermal characteristics, and water quality. Alteration and degradation of aquatic habitat is the primary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

