
A Stonefly *Capnia lineata*

Insecta — Plecoptera — Capniidae

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; 1 known location and no population trend data.

TAXONOMY

Capnia lineata has been confused with *C. zukeli*, 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

The distribution of this species includes localities in Idaho and California. In Idaho, the species is known to occur only in Latah County (Nelson and Baumann 1989). This population is widely disjunct from populations in California.

Baumann et al. (1977) stated that this taxon is a "rare species." At the time of their publication, the authors were describing a taxon comprising both *C. lineata* and *C. zukeli*, so one would assume that 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 beyond the fact that nymphs occur in creeks (Nelson and Baumann 1989).

ISSUES

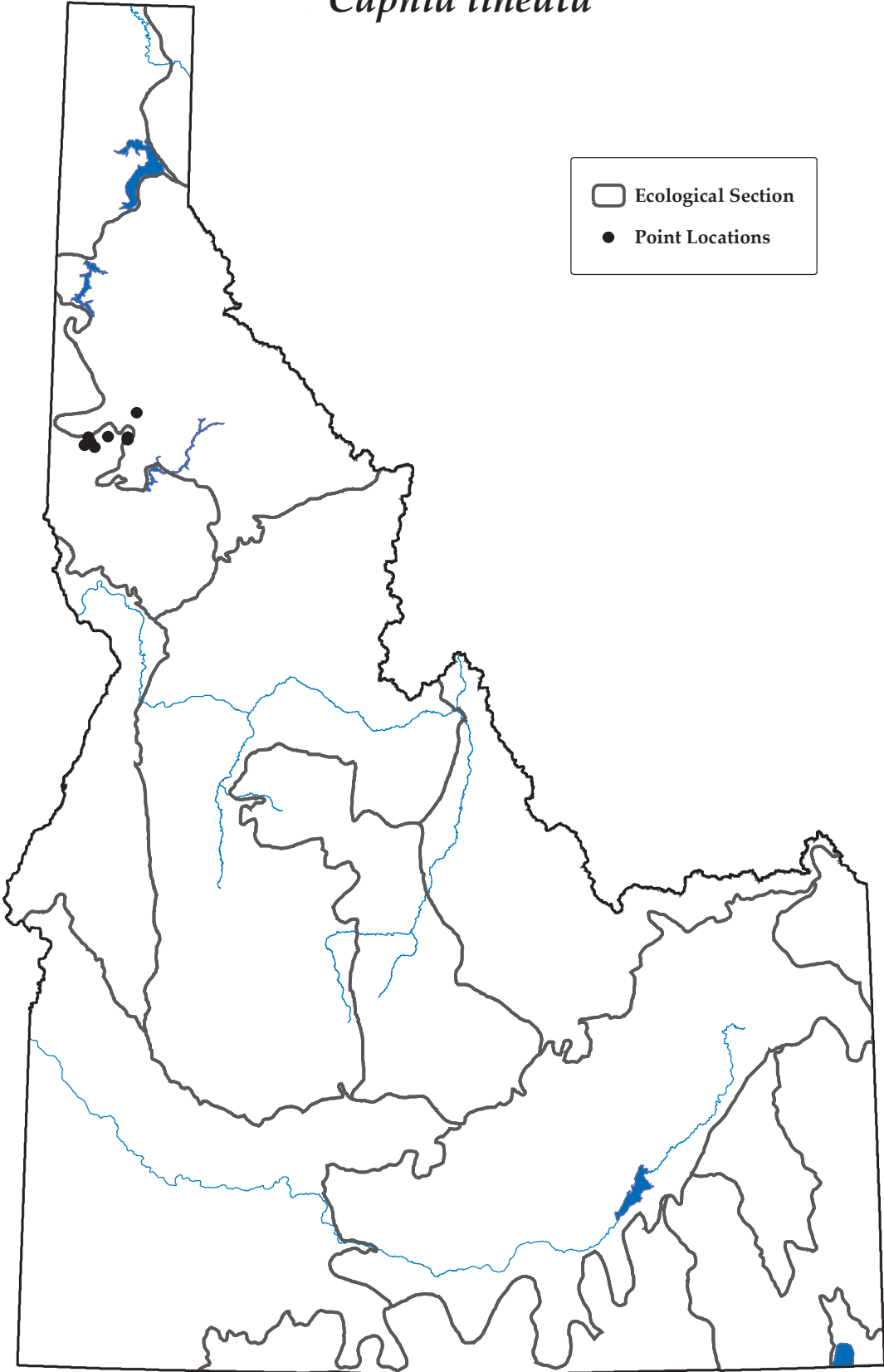
Specific threats to Idaho populations have not been identified. In general, stonefly populations are affected by changes to aquatic habitat, such as alteration of flow patterns, streambed substrate, thermal characteristics, and water quality. Alteration and degradation of aquatic habitat is the primary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

