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# A Spring Stonefly

## *Malenka tina*

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Insecta — Plecoptera — Nemouridae

### CONSERVATION STATUS / CLASSIFICATION

Rangewide: Vulnerable (G3)  
Statewide: Imperiled (S2)  
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; isolated populations and no trend data.

### TAXONOMY

This species was originally placed in the genus *Nemoura*; the subgenus *Malenka* was raised to genus in 1966.

### DISTRIBUTION AND ABUNDANCE

This species occurs in Idaho, Montana, Nevada, Washington, Oregon, and Utah. The Idaho distribution consists of Blaine, Butte, Custer, Idaho, Lemhi, Minidoka, and Twin Falls counties (Baumann et al. 1977; Newell and Minshall 1976; Newell and Minshall 1979a). Houseman and Baumann (1997) speculated, on the basis of existing literature, that this species occurs in the Sawtooth Mountains. A Utah population is in the Raft River Mountains, very near the southern border of Idaho with Utah (Houseman and Baumann 1997).

Baumann et al. (1977) reported that “this species is rather restricted in its distribution.”

### POPULATION TREND

No data are available to suggest population trend.

### HABITAT AND ECOLOGY

Nymphs occur in small mountain streams (Baumann et al. 1977; Newell and Minshall 1979a).

### ISSUES

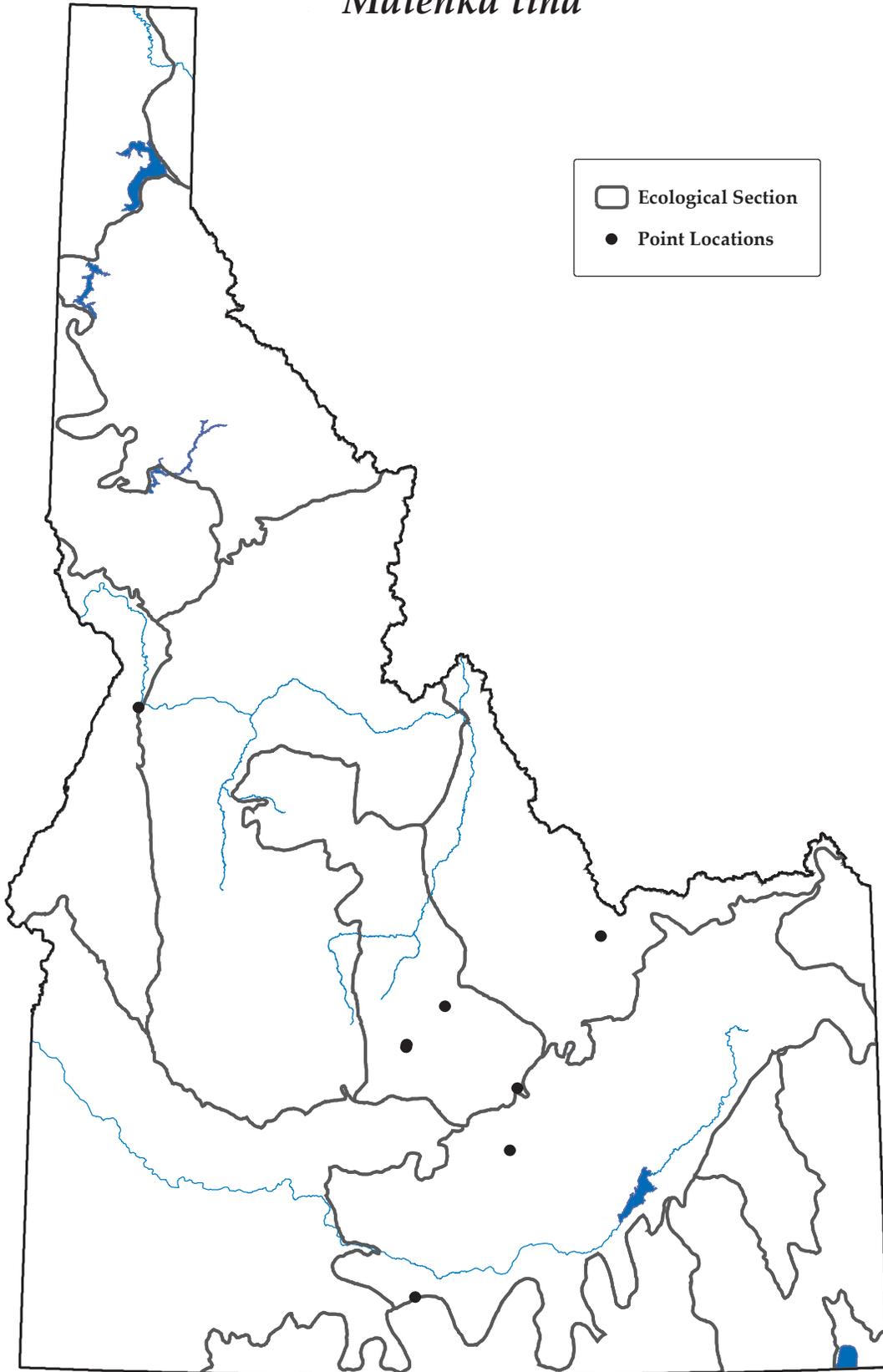
Specific threats to Idaho populations have not been identified. In general, stonefly populations are affected by changes to aquatic habitat, such as alteration of flow patterns, streambed substrate, thermal characteristics, and water quality. Alteration and degradation of aquatic habitat is the primary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

