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# Sagebrush Spur-throat Grasshopper

## *Melanoplus artemisiae*

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Insecta — Orthoptera — Acrididae

### CONSERVATION STATUS / CLASSIFICATION

Rangewide: Critically imperiled/Vulnerable (G1G3)  
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.

### TAXONOMY

Hebard (1935) describes *M. salmonis* as bearing resemblance to *M. artemisiae*.

### DISTRIBUTION AND ABUNDANCE

This grasshopper is endemic to Idaho. The species has been found at localities in Lemhi County, but the species has not been recorded since 1928 (Hebard 1935).

### POPULATION TREND

No data are available to suggest population trend. No records more recent than 1928 are known.

### HABITAT AND ECOLOGY

This species is associated with sagebrush-dominated habitat. Hebard (1935) described 1 collection site as “thickly covered with sagebrush and a few composites” and collected specimens at another site “in sagebrush on hillsides, [where grasshoppers were] difficult to capture as the sagebrush was very large and thick.”

### ISSUES

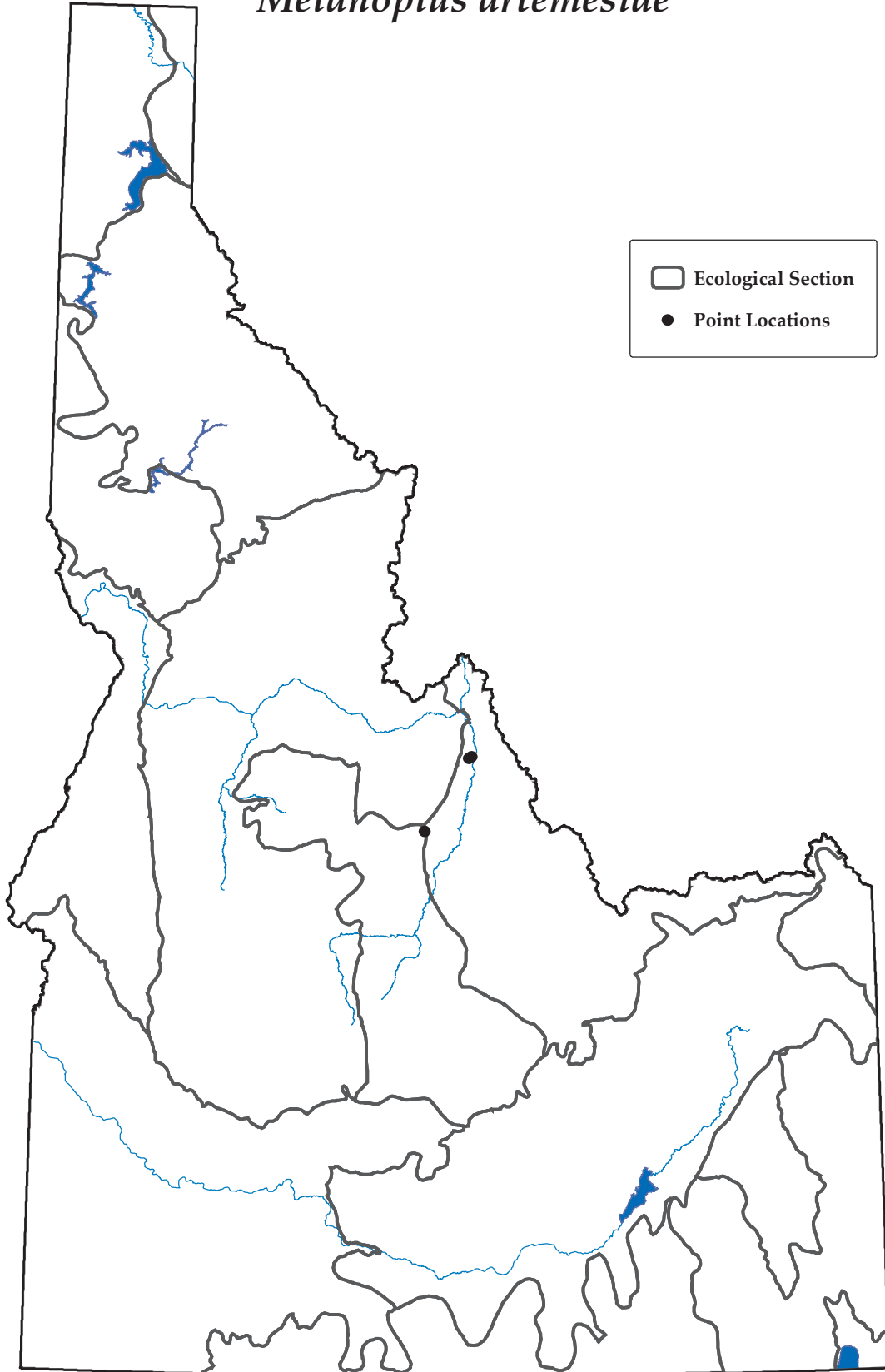
Specific threats to this taxon are unknown. Threats to grasshoppers include pesticides and habitat modification. Although conversion of native habitat to agricultural uses has benefited some grasshopper species, there are no data to suggest that agriculture has benefited this species.

### RECOMMENDED ACTIONS

Because no records of the species are known to have been made since 1928, surveys are needed to determine the current status of populations.

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2 August 2005  
Point data are from Idaho Conservation Data Center,  
Idaho Department of Fish and Game.

