
A Mayfly

Centroptilum selanderorum

Insecta — Ephemeroptera — Baetidae

CONSERVATION STATUS / CLASSIFICATION

Rangewide: Critically imperiled (G1)
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

Isolated populations; no trend data.

TAXONOMY

No subspecies is recognized.

DISTRIBUTION AND ABUNDANCE

The distribution comprises localities in Idaho and Utah. The Idaho distribution includes 8 localities in 8 counties: Custer, Canyon, Blaine, Butte, Bingham, Lincoln, Oneida, and Cassia (Jensen 1966; Newell and Minshall 1978).

POPULATION TREND

Population trend is unknown.

HABITAT AND ECOLOGY

The biology of *C. selanderorum* is virtually unknown. Adults have been collected in the evening swarming over areas cleared of vegetation. Specimens have been collected in Idaho below about 2100 m elevation (Jensen 1966), but details of specific habitat requirements have not been documented. In general, *Centroptilum* nymphs are typically found in slow or quiet waters often with silt bottoms. The small, cold-water, meandering brooks found in beaver pond meadows represent a common type of habitat for *Centroptilum* (McCafferty and Waltz 1990).

ISSUES

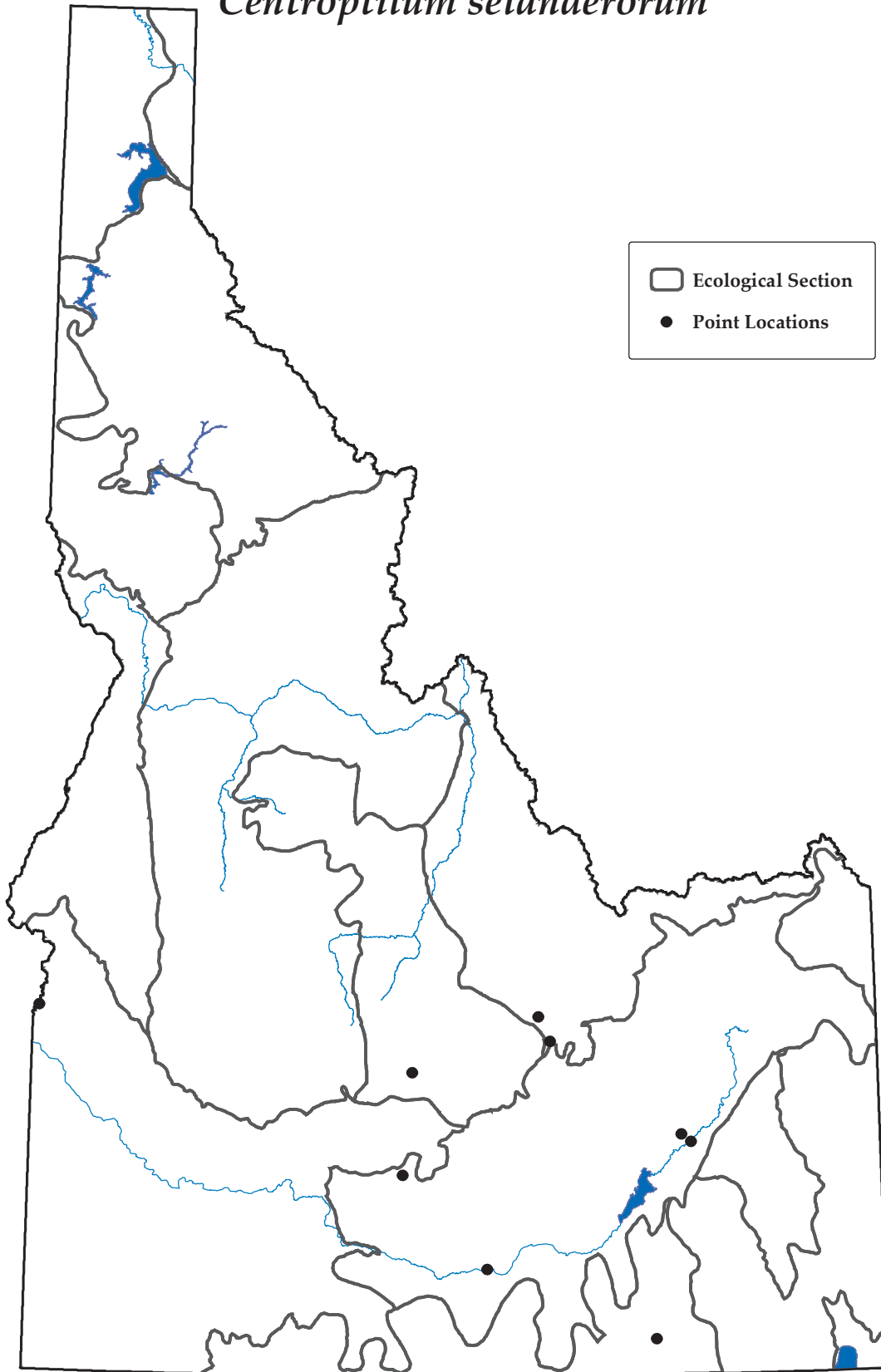
Specific threats to Idaho populations have not been identified. In general, mayfly populations are affected by changes to aquatic habitat, such as alteration of flow patterns, streambed substrate, thermal characteristics, and water quality. Alteration and degradation of aquatic habitat is the primary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

RECOMMENDED ACTIONS

Efforts are needed to determine whether this species is distinct from related taxa. Additional surveys are needed to define the distribution of populations and to identify specific conservation needs for populations occurring in Idaho.

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

