
A Mayfly

Parameletus columbiae

Insecta — Ephemeroptera — Siphonuridae

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; isolated populations and no trend data.

TAXONOMY

The species is monotypic.

DISTRIBUTION AND ABUNDANCE

This species occurs in Idaho, Utah, Wyoming, and British Columbia. The Idaho distribution includes 4 locations in Latah, Blaine, and Teton counties (Jensen 1966).

POPULATION TREND

No data are available to suggest population trend.

HABITAT AND ECOLOGY

The species has an abbreviated nymph stage, which is completed in 20 days or less. The eggs are laid in swamps and pools in mid-June and remain dormant during the summer and winter. The eggs hatch within 1 day after the snow melts (typically May). The nymphs occur in the ponds and pond-like areas around the edges of lakes in association with heavy growth of sedges (*Carex* sp.) or at the edges of moderately flowing rivers and streams (Edmunds 1957; Jensen 1966).

ISSUES

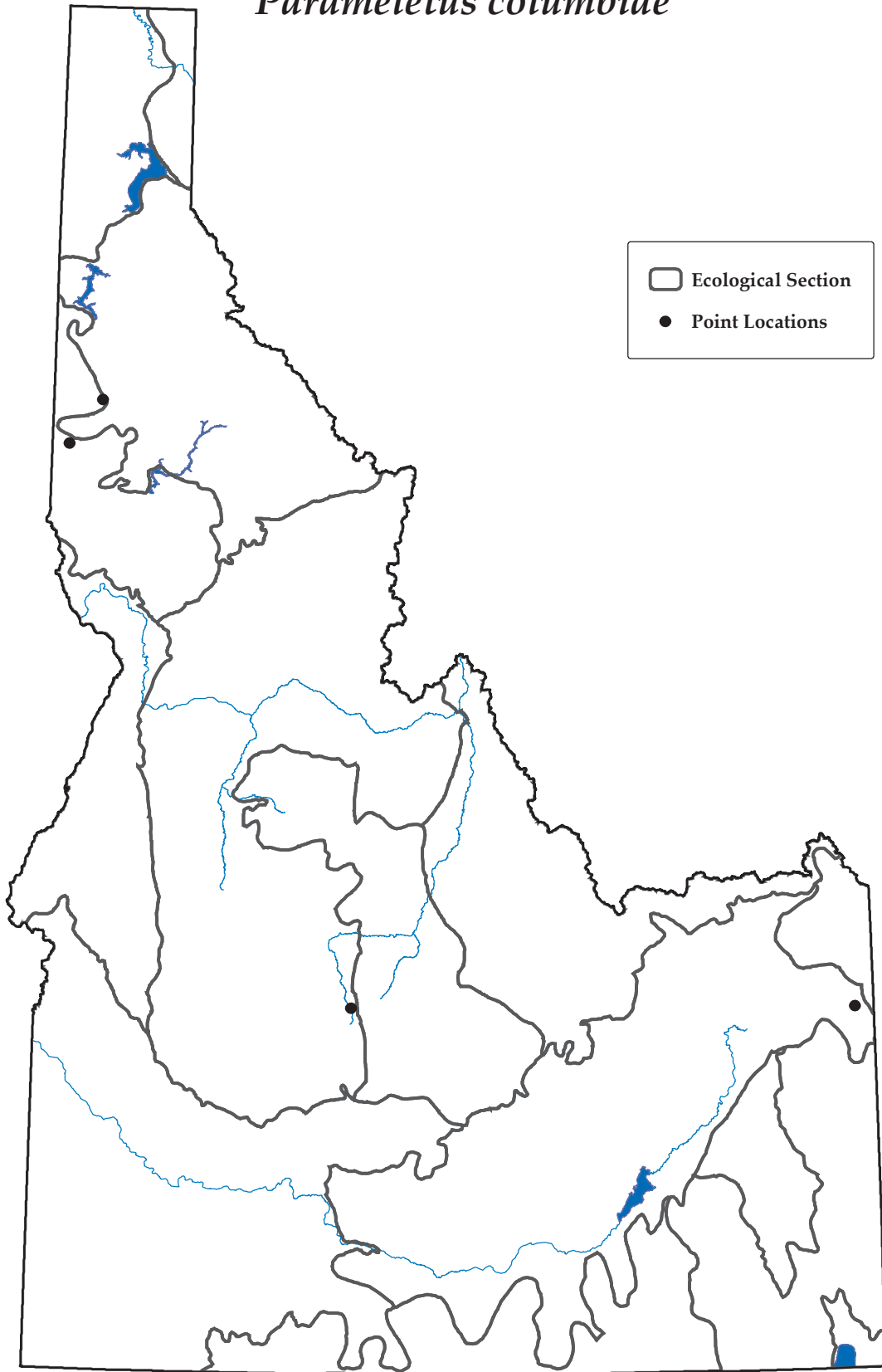
Specific threats to Idaho populations have not been identified. In general, mayfly populations are affected by changes to aquatic habitat, such as alteration of flow patterns, streambed substrate, thermal characteristics, and water quality. Alteration and degradation of aquatic habitat is the primary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

RECOMMENDED ACTIONS

Field surveys are needed to determine distribution and status of Idaho populations.

A Mayfly

Parameletus columbiae



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

