A Mayfly
Paraleptophlebia vaciva

Insecta — Ephemeroptera — Leptophlebiidae

CONSERVATION STATUS / CLASSIFICATION

Rangewide: Imperiled/Apparently secure (G2G4)
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; limited distribution and no trend data.

TAXONOMY
The taxon vaciva was described by Eaton in 1884 in the genus Leptophlebia (Jensen 1966). McCafferty and Kondratieff (1999) suggested that P. vaciva and P. rufivenosa are conspecific. P. rufivenosa occurs in parts of British Columbia, Washington, Oregon, and California, overlapping part of the distribution of P. vaciva.

DISTRIBUTION AND ABUNDANCE
This species occurs in Idaho, Colorado, Oregon, Washington, Alberta, and British Columbia. The Idaho distribution includes Lemhi, Latah, and Boise counties. Seventy-five specimens were collected during 1996 at 1 site in Latah County, and 3 specimens were collected during 1997 from a site in Boise County.

POPULATION TREND
No data are available to suggest population trend.

HABITAT AND ECOLOGY
No information has been documented describing the habitat occupied by this species.

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
Additional information is needed regarding the relationship of this species to P. rufivenosa. Surveys are needed to determine the current status of the species in Idaho.
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Point data are from Idaho Conservation Data Center, Idaho Department of Fish and Game.