

SCIENTIFIC NAME: *Rhyacophila lineata*
COMMON NAME: Castle Crags rhyacophilan caddisfly
CLASS, FAMILY: Insecta, Rhyacophilidae

ORIGINAL DESCRIPTION: Denning, D.G. 1956. Several new species of western Trichoptera. Pan-Pacific Entomologist 32(2):75, fig. 4A (lateral view of male genitalia).

TYPE MATERIAL: *Holotype:* Adult male - California: Shasta County; Castle Crags State Park, 13 Jun 1950, collected by L.W. Quate. Deposited in California Academy of Sciences, type #11201, on indefinite loan from the Essig Museum, University of California, Berkeley.

RANKING/STATUS: G1G2S1S2 (NatureServe – CNDDDB)

GENERAL DESCRIPTION: The holotype male is 11 mm long; the wings are described as fuscous with irregularly scattered clear areas, especially at the margins; the body and legs are slightly lighter and the maxillary palpi are darker. The seventh sternum has a sharp medial spine. The female and larva are undescribed.

DIAGNOSTIC CHARACTERS: Males can be distinguished from other species in the genus only by details of the genitalia, which are given in the original description. The state of the larval taxonomy of this genus is insufficient to give even generic diagnostic characters.

OTHER ILLUSTRATIONS: Because the larval taxonomy is so poorly understood, illustrations of other species in the genus may not be particularly useful for indicating generic characters.

DISTRIBUTION: Type locality.

HABITAT: Unknown. This is the largest family of caddisflies, and species are known from a wide variety of running-water habitats; a few are even adapted to temporary streams.

LIFE HISTORY/BEHAVIOR: Unknown. Larvae of this genus are generally free-living and predaceous. Prior to pupation, the larvae construct a crude pupal enclosure from small stones, leaving spaces through which water currents can pass.

SELECTED REFERENCES:

Wiggins, G.B. 1996. Larvae of the North American caddisfly genera. 2nd Edition. University of Toronto Press, Toronto. 457 pp.

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