

SCIENTIFIC NOTE

**CONFIRMATION DATA FOR THREE SPECIES OF
MAYFLIES IN THE STATE OF WASHINGTON, U.S.A.
(EPHEMEROPTERA: EPHEMERELLIDAE,
EPHEMERIDAE, HEPTAGENIIDAE)¹**W. P. McCafferty² and M. D. Meyer³

Eaton (1885) reported *Cinygma integrum* Eaton (Heptageniidae) from "Washington Territory" and Mount Hood, Oregon. No collection data were given by Eaton, and there have been no additional reports from the state of Washington. Spieth (1941) listed Washington (as Washington Territory) among states and provinces from where he had seen specimens of *Hexagenia limbata limbata* (Serville) [now *H. limbata*] (Ephemeridae). No other data were given by Spieth, and there have been no additional reports from the state of Washington. Landa et al. (1982) noted *Caudatella edmundsi* Allen (Ephemerellidae) from Washington but provided no other data. There have been no other reports from the state of Washington.

From our study of numerous collections (see below), we are able to confirm each of the three species mentioned above with Washington State collection data, as per required for establishing valid species ranges (McCafferty 2000) as follows:

Caudatella edmundsi (all larvae): Chelan Co, Wenatchee R, 10-VII-2003 (United States Environmental Protection Agency, Corvallis, OR); Okanogan Co, North Fork Toats Coulee Cr, 7-IX-1995 (WDE: Washington Dept Ecology, Olympia, WA); Spokane Co, Deadman Cr, Deadman Rd, 7-VII-1962 (PERC: Purdue Entomological Research Collection, West Lafayette, IN); Whatcom Co, Thompson Cr, 16-IX-1996 (WDE).

Hexagenia limbata: adults, Benton Co, Snake R, 20-VII-1996 (RN: Robert Newell-Flathead Lake Biological Station Collection, Polson, MT); adults, Chelan Co, Lake Chelan, 6-VII-1964 (PERC); adults, Columbia Co, Touchet R, 15-VIII-1999 (RN); larvae, Spokane Co, Spokane, 1940 (Illinois Natural History Survey, Champaign, IL).

Cinygma integrum (all larvae): Asotin Co, Fields Spring St Prk, 22-IV-1972 (WSU: Washington State University, Pullman, WA); Challam Co, Indian Cr, Lake Aldwell, 18-VI-2001 (PERC); Lewis Co, Ohanapcosh, Mt Rainier Natl Prk, 16-V-2001 (C. P. Gillette Museum, Colorado State University, Fort Collins,

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CO); Okanogan Co, 8 Mile Cr, Winthrop, 24-VI-1936 (WSU); Pierce Co, West End Rd, Mt Rainier Natl Prk, 12-VIII-1977 (WSU); San Juan Co, Deadman Cr, San Juan Island, 19-V-1978 (Monte L. Bean Life Science Museum, Brigham Young University, Provo, UT); Yakima Co, Rimrock Lake, 12-VI-1973 (WSU).

Possible confusion regarding one other "Washington" species with no state of Washington data involves *Procloeon vicinum* (Hagen) (Baetidae). This species was described from "Washington" by Hagen (1861) (as *Cloe vincina*). That record, however, is referable to Washington (District of Columbia) as indicated by Edmunds (1962).

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