


Four species of Arctic mosquitoes (Insecta: Diptera: Culicidae: *Aedes*)

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Description

Black-legged *Aedes* species found in the North American Arctic show overlap in adult female morphological characters causing numerous taxonomic difficulties. Here, we record voucher specimens of each species. They specimens were collected by sweep net in four different locations during the summers of 2020 and 2022: Cambridge Bay and Karrak Lake (Nunavut, Canada), Kuujjuaq (Nunavik, Quebec, Canada), and Toolik (Alaska, USA). Voucher specimen metadata are here published as documentation for the author's PhD research and subsequent publications.

Material

Twenty specimens representing four identified species of *Aedes* Meigen, *A. hexodontus* Dyar, *A. impiger* (Walker), *A. nigripes* (Zetterstedt), and *A. punctor* (Kirby), and five additional specimens of unidentified *Aedes* are deposited in the Ouellet-Robert Entomological Collection of the University of Montreal (QMOR).

Specimen metadata are available at: https://data.canadensys.net/micropublications/resource?r=collection_3

Figures



Fig 1. *Aedes impiger*, QMOR74980.



Fig. 2. *Aedes nigripes*, QMOR74977.



Fig. 3. *Aedes hexodontus*, QMOR74983.



Fig. 4. *Aedes punctor*,
QMOR75000.



Fig. 5. *Aedes* sp. from the *punctor*
subgroup, QMOR46991.