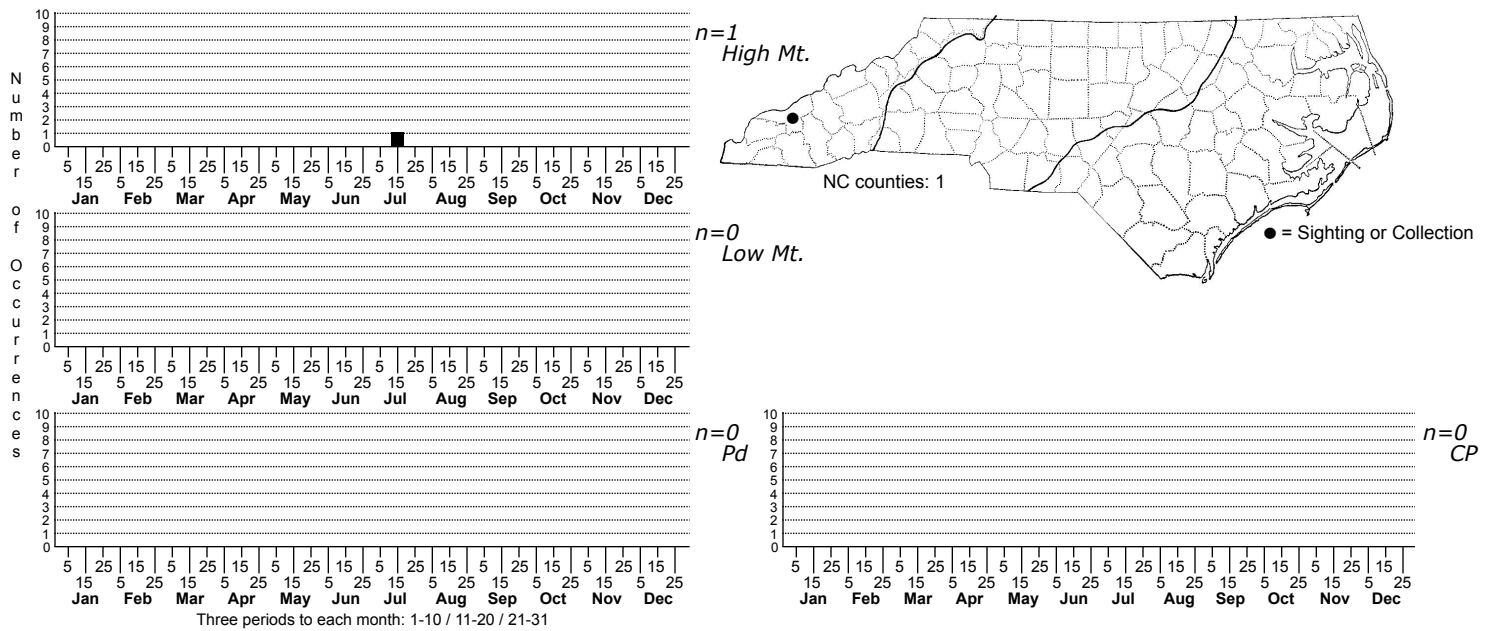


# *Pilatobius ramazzottii*



FAMILY: Pilatobiidae SUBFAMILY: Pilatobiinae

TAXONOMIC COMMENTS: Transferred from Diphascon by Bertolani et al. 2014. Morphologically indistinguishable from species first described in Italy. No DNA evidence available for further comparison. Family designation follows Tumanov & Tsvetkova (2023).

SPECIES COMMENTS: Terrestrial. Reported from Canada and in US only from Alaska and GSMNP.

ID COMMENTS: Maximum length 435  $\mu\text{m}$ , more often 350  $\mu\text{m}$ , colorless, eyed. Cuticle with extremely fine granulation, more evident caudally. Pharyngeal tube very narrow (internal diameter 1.23  $\mu\text{m}$ , about 1.3 times as long as the pharynx. Between the buccal tube and the pharyngeal tube exists the "drop" formation. Pharynx oval, with length: width ratio equal to 1.51; large apophyses, 2 macroplacoids and septula; lacking the microplacoid. The first macroplacoid is almost 1.5 times as long as the second and bears a type of little button at the caudal end. Each leg has a large gibbosity, rendered bi-lobed by a longitudinal depression: on the 4th pair, in dorsal observation, the gibbosity covers the doubleclaw. On the first three pair of legs exists, near to the claws a cuticular bar, lacking the accessory points on the principal branches of the claws. Eggs (3-4, of 60 x 80  $\mu\text{m}$ ) deposited in the exuvium.

-Ramazzotti & Maucci 1983

DISTRIBUTION: Please refer to the dot map.

HABITAT: Moss and lichen.

OBSERVATION METHODS: PC and DIC.