Heterocampa umbrata White-blotched Heterocampa

n=20 High Mt.

n=95 Low Mt.

n=90 Pd

NC counties: 52

High counts of:

27 - Randolph - 2011-06-01
13 - Brunswick - 1996-05-16
10 - Brunswick - 1996-05-06

● = Sighting or Collection in NC since 2006
● = Not seen since 2006

Status   **Rank**
NC   US   NC   Global

n=119 CP

Three periods to each month: 1-10 / 11-20 / 21-31
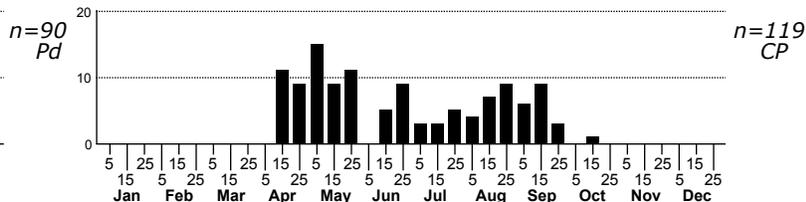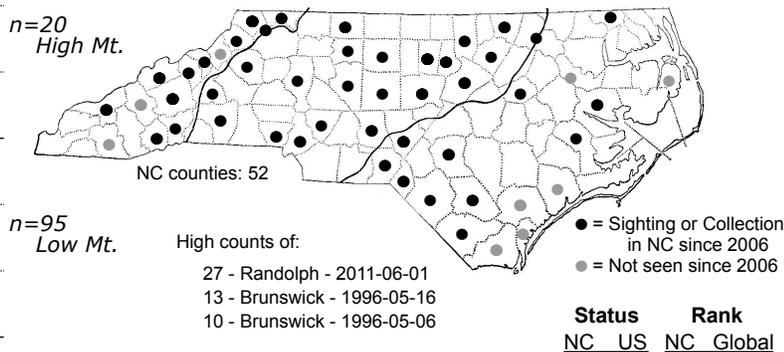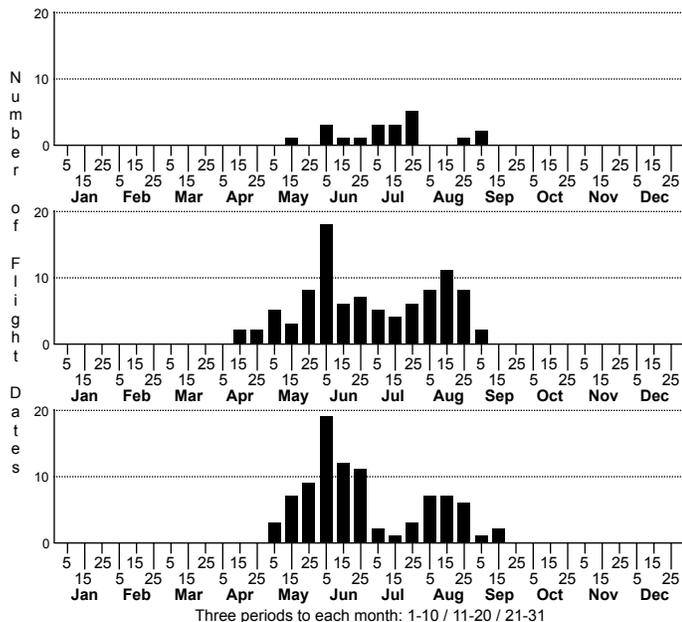
FAMILY: Notodontidae   SUBFAMILY: Heterocampinae   TRIBE:

TAXONOMIC_COMMENTS: *Heterocampa umbrata* was recently split into two species by Miller et al. (2021) based on differences in genitalia and larval characters, with populations in Florida and southern Georgia being recognized as a separate species (*H. umbrata*, sensu stricto) from the remaining populations in eastern North America (*H. pulverea*). However, our barcoding analyses for specimens from throughout the range do not support the view that the Florida and southern Georgia populations constitute a separate evolutionary lineage that merits recognition as a separate species. Specimens from this region are very similar genetically to those from areas outside of Florida and southern Georgia and are nested among other populations of *H. pulverea* (sensu Miller et al., 2021). Here, we continue to treat these two forms as a single species (*H. umbrata*) until additional studies are conducted on genetic and morphological variation in the species, particularly in the contact zone of the these forms in southern Georgia and vicinity.

FIELD GUIDE DESCRIPTIONS: Covell (1984); Beadle and Leckie (2012)
ONLINE PHOTOS:
TECHNICAL DESCRIPTION, ADULTS:
TECHNICAL DESCRIPTION, IMMATURE STAGES:

ID COMMENTS:

DISTRIBUTION: Please refer to the dot map.

FLIGHT COMMENT: Please refer to the flight charts.

HABITAT: Our records come from virtually all types of oak-containing habitats across the state, from maritime forests to high elevation hardwoods.

FOOD: Larvae feed on oaks (Wagner, 2005). Reports from other hosts require confirmation. In North Carolina, larvae have been recorded feeding on Willow Oak (*Quercus phellos*), White Oak (*Q. alba*), and Sand Post Oak (*Q. margaretiae*).

OBSERVATION_METHODS:

NATURAL HERITAGE PROGRAM RANKS: G5 SNR [S5]

STATE PROTECTION: Has no legal protection, although permits are required to collect it on state parks and other public lands.

COMMENTS: