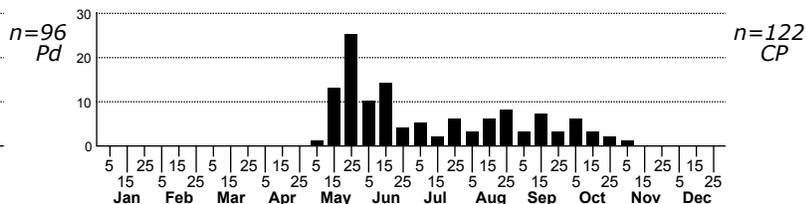
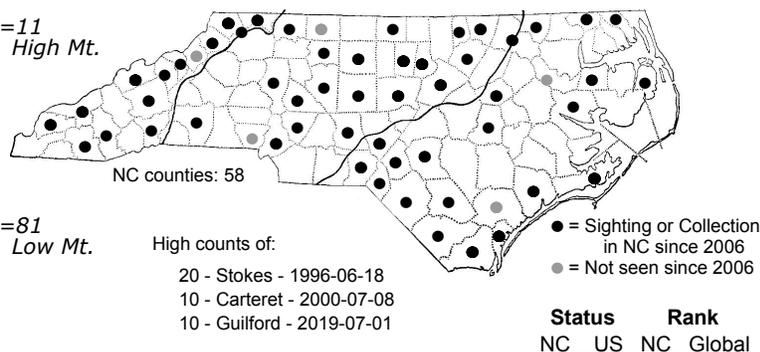
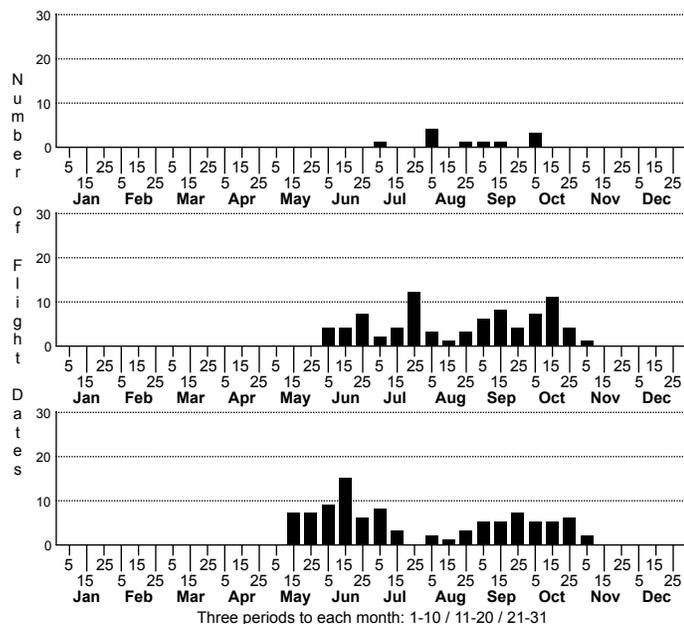


Eulithis gracilineata Greater Grapevine Looper Moth



FAMILY: Geometridae SUBFAMILY: Larentiinae TRIBE: Hydrimenini
 TAXONOMIC_COMMENTS: One of fourteen species in this genus that occur in North America north of Mexico (Pohl et al., 2016), five of which have been recorded in North Carolina

FIELD GUIDE DESCRIPTIONS: Covell (1984); Beadle and Leckie (2012)

ONLINE PHOTOS:

TECHNICAL DESCRIPTION, ADULTS:

TECHNICAL DESCRIPTION, IMMATURE STAGES:

ID COMMENTS: Similar in pattern to *E. diversilineata* but is usually paler and has two distinct dark lines crossing the median area, with the area in between filled with the pale ground color; in *E. diversilineata*, this area is filled with a darker brown shade (Forbes, 1948). The discal dot is also strongly contrasting in this species but is inconspicuous or absent in *E. diversilineata*.

DISTRIBUTION: Please refer to the dot map.

FLIGHT COMMENT: Please refer to the flight charts.

HABITAT: The range of habitats used by this species in North Carolina matches both that of *Eulithis diversilineata* and Muscadine Grape. These range from maritime dunes and forests, to swamp forests, bottomlands and mesic forests, xeric sand ridges and monadnocks, cove forests and high elevation hardwoods.

FOOD: Larvae reportedly feed on grape (*Vitis*) and Virginia Creeper (*Parthenocissus quinquefolia*) (Wagner, 2005). There is also a BugGuide record (George Smiley, 2014) for a larva on Porcelain-berry (*Ampelopsis glandulosa*) in Texas. We do not have any feeding records in North Carolina.

OBSERVATION_METHODS:

NATURAL HERITAGE PROGRAM RANKS: G4G5 SNR [S4S5]

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

COMMENTS: