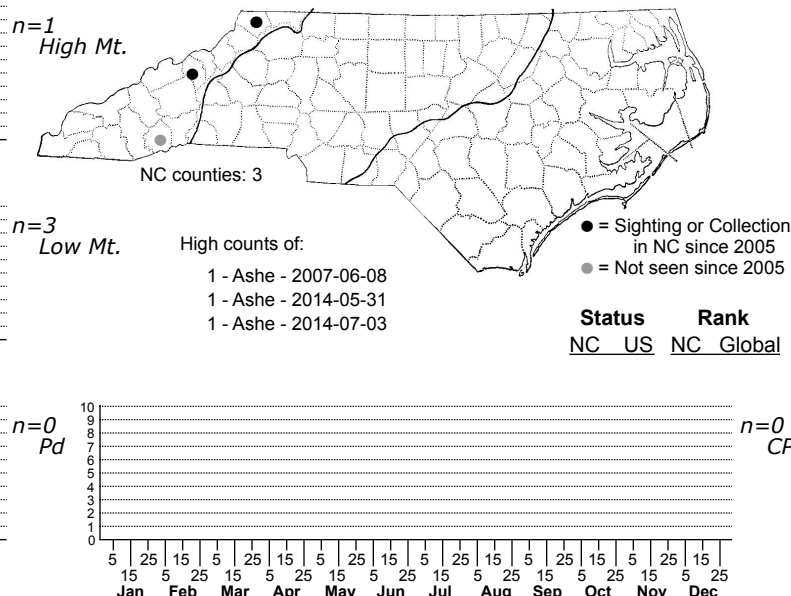
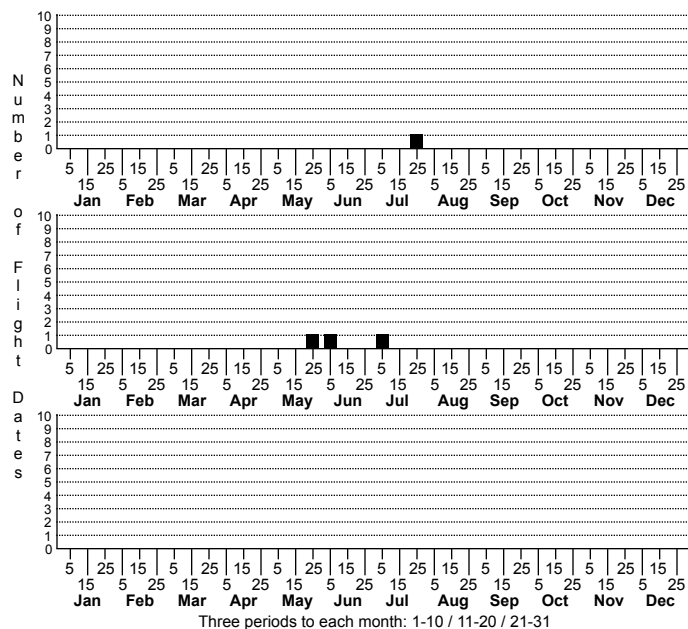


Rheumaptera undulata Scallop Shell Moth



FAMILY: Geometridae SUBFAMILY: Larentiinae TRIBE: Hydrimenini

TAXONOMIC_COMMENTS: This species (Ferguson, 1955) was previously placed in the genus *Hydria* (Hodges et al. 1983), then later in *Rheumaptera*, before being returned to *Hydria* (Hausmann and Viidalepp 2012). The latest 2023 checklist of North American has returned it to *Rheumaptera* (Pohl and. Nanz, 2023).

FIELD GUIDE DESCRIPTIONS: Covell (1984; as *Hydria undulata*)

ONLINE PHOTOS:

TECHNICAL DESCRIPTION, ADULTS: Ferguson (1955)

TECHNICAL DESCRIPTION, IMMATURE STAGES:

ID COMMENTS: *Rheumaptera undulata* and *R. prunivorata* are two cryptic species that can only be reliably separated using genitalia. In western North Carolina they tend to separate to some extent elevationally, with *R. undulata* rarely occurring below 3,500' and *R. prunivorata* extending from the lower valleys to higher elevations where it overlaps elevationally with *R. undulata*. Thus, specimens from the lower valleys can generally be assigned to *R. prunivorata* with high confidence.

DISTRIBUTION: Please refer to the dot map.

FLIGHT COMMENT: Please refer to the flight charts.

HABITAT: Our few confirmed records come from cove forests.

FOOD: Larvae are polyphagous, feeding on a variety of hardwood shrubs and trees, including alder (*Alnus*), azalea (*Rhododendron*), blueberry (*Vaccinium*), meadowsweet (*Spirea*), willow (*Salix*), poplar (*Populus*), and probably many others (Wagner et al., 2001).

OBSERVATION_METHODS:

NATURAL HERITAGE PROGRAM RANKS: G5 SNR [S1S2]

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

COMMENTS: