

# Southern Lepidopterists' NEWS

EST. 1978 Official Newsletter of the Southern Lepidopterists' Society (ISSN 2167-0285)

Vol. 46 Supplemental Issue

2024

THE OFFICIAL PUBLICATION OF THE SOUTHERN LEPIDOPTERISTS' SOCIETY  
ORGANIZED TO PROMOTE SCIENTIFIC INTEREST AND KNOWLEDGE RELATED  
TO UNDERSTANDING THE LEPIDOPTERA FAUNA OF THE SOUTHERN REGION  
OF THE UNITED STATES (WEBSITE: [www.southernlepsoc.org/](http://www.southernlepsoc.org/))

J. BARRY LOMBARDINI: EDITOR

MIGRANTS, STRAYS, RECENT COLONIZATIONS, AND NEWLY RECORDED  
LEPIDOPTERA SPECIES FROM OUTAGAMIE COUNTY, WISCONSIN,  
AND ADJACENT AREAS (BY HUGO KONS JR.)



**Top Left**

*Ascalapha odorata* (Noctuidae): WI Outagamie County: Mosquito Hill, hill top mesic hardwood forest, bait trail, 24 July 2020.

**Top Middle**

*Utetheisa bella* (Noctuidae): WI Outagamie County: Wiouwash Trail just north of Winnebago County border, grassy wetland, 20 October 2017.

**Top Right**

*Callopietria floridensis* (Noctuidae): WI Outagamie County: suburban Appleton, West Summer Street, bait trail, 26 July 2018.

**Middle**

*Magusa divaricata* (Noctuidae): WI Outagamie County: West Summer Street, bait trail, 15 October 2016.

**Bottom Left**

*Hylephila phyleus* (Hesperiidae): WI Outagamie County: Prairie Hill Park, field with prairie planting, 30 September 2022.

**Bottom Middle**

*Hypocala andremona* (Noctuidae): WI Shawano County: Navarino Wildlife Area, sandy oak-pine barrens, bait trail, 23 October 2022.

**Bottom Right**

*Anomis illita* (Noctuidae): WI Shawano County: Navarino Wildlife Area, bait trail, 24 October 2022.

**FIGURES 67-134: Images of Selected Voucher Specimens**

All specimens on these plates were photographed by the author, and all are currently deposited in the author's private research collection in Appleton, Wisconsin. Specimens were collected by the author unless otherwise indicated.

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**FIGURE 67: Western Strays and Ephemeral Migrants.**

1. *Dargida procinctus* (10428): WI Outagamie County: Mosquito Hill: prairie planting, bait trail, 1 September 2022.
  2. *Dargida procinctus* (10428): WI Outagamie County: Old Stone Bridge Trail, bait trail, 7 October 2020.
  3. *Dargida procinctus* (10428): WI Outagamie County: Appleton, bait trail, 11 August 2018.
  4. *Diarsia esurialis* (10920): WI Outagamie County: Mosquito Hill: hill top UV trap, 23 August 2022.
  5. *Parabrotis exertistigma* (11047): WI Outagamie County: Appleton: MV trap, 24 July 2016.
  6. *Euxoa auxiliaris* (10731): WI Outagamie County: North Bluemound Drive power line cut: UV trap, 30 September 2019.
  7. *Autographa californica* (8914): WI Shawano County: Navarino Wildlife Area: trail south of Pikes Peak Flowage, bait trail, 9 November 2022.
  8. *Autographa californica* (8914): WI Outagamie County: Appleton, MV trap, 1 August 2019.
  9. *Autographa californica* (8914): WI Outagamie County: Appleton, MV trap, 23 July 2019.
  10. *Autographa californica* (8914): WI Outagamie County: Appleton, bait trail, 21 October 2017.
  11. *Autographa californica* (8914): WI Outagamie County: Appleton, MV trap, 1 October 2017.
  12. *Schinia tertia* (11179): WI Outagamie County: Appleton, nectaring on *Solidago*, 9 September 2015.
  13. *Pyrausta nicalis* (5032): WI Outagamie County: Appleton, MV trap, 9 July 2017.
  14. *Pyrausta pythialis* (5035): WI Shawano County: Navarino Wildlife Area: trail south of Pikes Peak Flowage, UV trap, 10 July 2022.
  15. *Schinia chrysella* (11199): WI Portage County: Schmeekle Reserve, sedge meadow, UV trap, 13 September 1993.
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**FIGURE 68: Southern Strays and Ephemeral Migrants (Geometridae).**

1. *Macaria promiscuata* (6331): IL DuPage County, Wheaton, MV trap, 14 August 2022.
  2. *Cyclophora packardi* (7136): WI Outagamie County: Fallen Timbers, MV trap, 24 September 2018.
  3. *Iridopsis defectaria* (6586): WI Dane County: Swamplovers Preserve: MV trap, 24 August 2021.
  4. *Macaria aequiferaria* (6335): WI Outagamie County: Appleton: UV lights, 28 August 2022.
  5. *Cyclophora packardi* (7136): WI Shawano County: Navarino Wildlife Area: UV trap, 29 May 2022.
  6. *Glenoides texanaria* (6443): WI Outagamie County: Appleton: MV trap, 9 July 2018.
  7. *Macaria multilineata* (6353): WI Outagamie County: Appleton: MV trap, 3 August 2018.
  8. *Cyclophora nanaria* (7140): WI Outagamie County: Appleton: MV trap, 11 October 2016.
  9. *Macaria granitata* (6352): WI Walworth County, Whitewater Lake Recreation Area campground: UV lights, 9 July 1992.
  10. *Macaria multilineata* (6353): WI Outagamie County: Appleton: MV trap, 31 July 2017.
  11. *Cyclophora nanaria* (7140): WI Outagamie County: Appleton: bait trail, 2 August 2018.
  12. *Coryphista meadii* (7290): WI Outagamie County: Appleton: MV trap, 11 August 2018.
  13. *Rindgea cyda* (6415): WI Ozaukee County: Mequon: MV trap, 7 September 2015.
  14. *Cyclophora nanaria* (7140): WI Outagamie County: Appleton: MV trap, 22 July 2020.
  15. *Coryphista meadii* (7290): WI Outagamie County: Appleton: bait trail, 10 August 2018.
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**FIGURE 69: Strays and Ephemeral Migrants (Sphingidae).**

1. *Sphinx chersis* (7802): WI Outagamie County: Mosquito Hill: MV sheet, 22 July 2022.
  2. *Ceratomia amyntor* (7786): WI Outagamie County: Mosquito Hill: MV sheet, 22 July 2022.
  3. *Eumorpha achemon* (7861): WI Waukesha County: Highway 67 by Ottawa Lake Recreation Area: nectaring on *Saponaria officinalis*, 25 July 1992.
  4. *Eumorpha pandorus* (7859): WI Shawano County: Navarino Wildlife Area: sandy oak-pine barrens, MV trap, 5 August 2022.
  5. *Hyles lineata* (7894): WI Outagamie County: Appleton: UV lights, 13 July 2022.
  6. *Hyles gallii* (7893): WI Outagamie County: Appleton: UV lights, 14 July 2022.
  7. *Sphinx eremitus* (7796): WI Outagamie County: Fallen Timbers: MV trap, 18 June 2021.
  8. *Dolba hyloecus* (7784): WI Outagamie County: Fallen Timbers: nectaring on petunias, 6 August 1992.
  9. *Dolba hyloecus* (7784): WI Outagamie County: Fallen Timbers: MV trap, 18 June 2021.
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**FIGURE 70: Southern Strays, Ephemeral Migrants, or Potential Recent Colonizations (Noctuidae: Herminiinae).**

1. *Renia discoloralis* (8381): WI Shawano County: Navarino Wildlife Area: bait trail, 2 August 2022.
  2. *Renia adspersgillis* (8386): WI Shawano County: Navarino Wildlife Area: UV trap, 10 July 2022.
  3. *Bleptina inferior* (8371): WI Outagamie County: Appleton: MV trap, 9 October 2020.
  4. *Tetanolita mynesalis* (8366): WI Outagamie County: Appleton: MV trap, 15 June 2017.
  5. *Tetanolita mynesalis* (8366): WI Shawano County: Navarino Wildlife Area: bait trail, 9 November 2022.
  6. *Tetanolita mynesalis* (8366): WI Outagamie County: Appleton: MV trap, 15 October 2016.
  7. *Renia discoloralis* (8381): WI Shawano County: Navarino Wildlife Area: bait trail, 2 August 2022.
  8. *Renia discoloralis* (8381): WI Shawano County: Navarino Wildlife Area: bait trail, 2 August 2022.
  9. *Renia discoloralis* (8381): WI Shawano County: Navarino Wildlife Area: bait trail, 2 August 2022.
  10. *Renia discoloralis* (8381): WI Shawano County: Navarino Wildlife Area: bait trail, 2 August 2022.
  11. *Renia discoloralis* (8381): WI Shawano County: Navarino Wildlife Area: bait trail, 2 August 2022.
  12. *Renia discoloralis* (8381): WI Shawano County: Navarino Wildlife Area: bait trail, 2 August 2022.
  13. *Renia discoloralis* (8381): WI Outagamie County: Appleton: bait trail, 27 July 2019.
  14. *Renia discoloralis* (8381): WI Outagamie County: Mosquito Hill: bait trail, 5 August 2021.
  15. *Renia discoloralis* (8381): WI Outagamie County: Mosquito Hill: bait trail, 5 August 2021.
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**FIGURE 71: Southern Strays, Ephemeral Migrants, or Potential Recent Colonizations (Noctuidae: quadrifines).**

1. *Parahyponodes quadralis* (8430): WI Outagamie County: Fallen Timbers: bait trail, 16 July 2020.
  2. *Parahyponodes quadralis* (8430): WI Outagamie County: Mosquito Hill: MV trap, 5 August 2021.
  3. *Parahyponodes quadralis* (8430): WI Outagamie County: Mosquito Hill: floodplain forest/sedge meadow, netted, 5 August 2021.
  4. *Dyspyralis puncticosta* (8427): WI Outagamie County: Fallen Timbers: MV trap, 27 July 2021.
  5. *Hypena minualis* (8457): WI Outagamie County: Appleton: MV trap, 31 October 2016.
  6. *Hypena minualis* (8457): WI Outagamie County: Appleton: UV lights, 31 October 2016.
  7. *Hypena humuli* (8461): WI Outagamie County: Appleton: bait trail, 18 October 2018.
  8. *Hypena humuli* (8461): WI Outagamie County: Old Stone Bridge Trail: bait trail, 18 October 2018.
  9. *Hypena minualis* (8457): WI Shawano County: Navarino Wildlife Area: bait trail, 9 November 2022.
  10. *Anomis illita* (8551): WI Shawano County: Navarino Wildlife Area: bait trail, 24 October 2022.
  11. *Anomis illita* (8551): WI Shawano County: Navarino Wildlife Area: bait trail, 24 October 2022.
  12. *Anomis illita* (8551): WI Outagamie County: Appleton: MV trap, 24 October 2022.
  13. *Tathorhynchus exsiccatu*s (8466): WI Outagamie County: Appleton: MV trap, 15 September 2016.
  14. *Anomis erosa* (8545): WI Outagamie County: Appleton: bait trap, 16 September 2015.
  15. *Gabara subnivosella* (8522): WI Outagamie County: Appleton: MV trap, 9 July 2018.
-



**FIGURE 72: The Tropical Migrant *Anticarsia gemmatalis* (Noctuidae).**

1. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 16 October 2016.
  2. *Anticarsia gemmatalis* (8574): WI Shawano County: Navarino Wildlife Area: bait trail, 23 October 2022.
  3. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: MV trap, 18 October 2016.
  4. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 31 October 2016.
  5. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 16 October 2016.
  6. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 19 October 2016.
  7. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  8. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 8 October 2017.
  9. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: MV trap, 17 October 2017.
  10. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 16 October 2016.
  11. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  12. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 19 October 2016.
  13. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 31 October 2016.
  14. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  15. *Anticarsia gemmatalis* (8574): WI Outagamie County: Appleton: bait trail, 8 October 2016.
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**FIGURE 73: Southern Strays and Ephemeral Migrants (Noctuidae: Hypocalinae & Erebinae).**

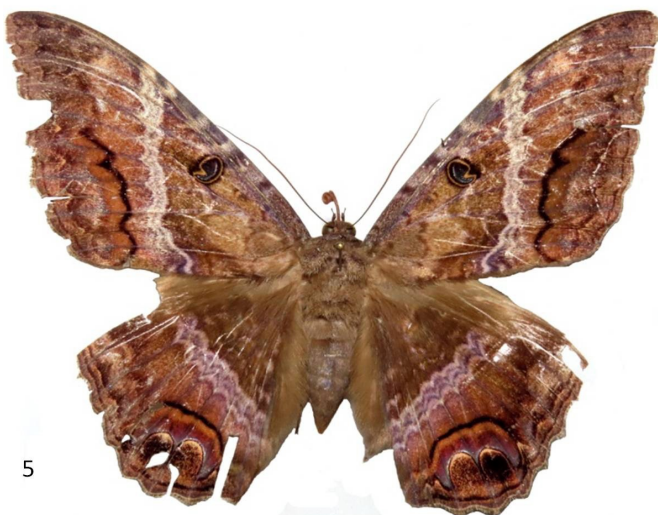
1. *Melipotis perpendicularis* (8598): WI Outagamie County: Appleton: UV lights, 8 August 2019.
  2. *Hypocala andremona* (8642): WI Shawano County: Navarino Wildlife Area: bait trail, 23 October 2022.
  3. *Melipotis jucunda* (8607): WI Outagamie County: Appleton: bait trail, 8 August 2018.
  4. *Mocis texana* (8745): WI Outagamie County: Appleton: bait trail, 4 September 2018.
  5. *Matigramma pulverilinea* (8679): WI Dane County: Swamplovers Preserve: MV trap, 24 August 2021.
  6. *Melipotis jucunda* (8607): WI Shawano County: Navarino Wildlife Area: bait trail, 8 September 2022.
  7. *Mocis latipes* (8743): WI Shawano County: Navarino Wildlife Area: bait trail, 24 October 2022.
  8. *Mocis latipes* (8743): WI Shawano County: Navarino Wildlife Area: bait trail, 24 October 2022.
  9. *Mocis latipes* (8743): WI Outagamie County: Appleton: MV trap, 24 August 2016.
  10. *Lesmone detrahens* (8651): WI Outagamie County: Old Stone Bridge Trail: bait trail, 1 September 2018.
  11. *Lesmone detrahens* (8651): WI Outagamie County: Fallen Timbers: bait trail, 5 September 2021.
  12. *Lesmone detrahens* (8651): WI Outagamie County: Old Stone Bridge Trail: bait trail, 1 September 2018.
  13. *Zale bethunei* (8705): WI Walworth County: Whitewater Lake Recreation Area: bait trap, 9 July 1992.
  14. *Allotria elonympha* (8721): WI Waukesha County: Ottawa Lake Campground: UV sheet, 25 July 1992.
  15. *Ptichodis herbarum* (8750): WI Waukesha County: sand prairie/oak savanna west of Highway S: UV sheet, 17 August 1993.
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**FIGURE 74: The Tropical Migrant *Ascalapha odorata* (Noctuidae).**

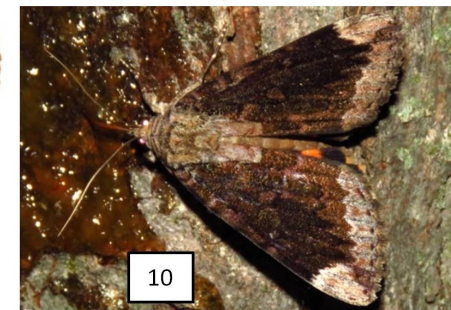
1. *Ascalapha odorata* (8649): WI Outagamie County: Appleton: bait trap, 25 July 1995.
  2. *Ascalapha odorata* (8649): WI Outagamie County: Appleton: bait trap, 31 July 1991.
  3. *Ascalapha odorata* (8649): WI Outagamie County: Appleton: bait trail, 22 July 2017.
  4. *Ascalapha odorata* (8649): WI Outagamie County: Appleton: bait trail, 21 July 2017.
  5. *Ascalapha odorata* (8649): WI Outagamie County: Mosquito Hill: hill top, bait trail, 10 July 2020.
  6. *Ascalapha odorata* (8649): WI Outagamie County: Mosquito Hill: hill top, bait trail, 24 July 2020.
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**FIGURE 75: Southern Strays and a Western Ephemeral Resident (Noctuidae: Erebinae: *Catocala*).**

1. *Catocala vidua* (8792) {stray}: WI Outagamie County: Mosquito Hill: bait trap, 15 September 1991.
  2. *Catocala maestosus* (8793) {stray}: WI Outagamie County: Appleton: bait trap, 29 August 1991.
  3. *Catocala angusi* (8783) {status uncertain}: WI Dane County: Swamplovers Preserve: MV trap, 17 August 2021.
  4. *Catocala dejecta* (8790) {stray}: WI Crawford County: MV light, 19 July 2013, collected by Steve Bransky (Photo by Robert J. Borth).
  5. *Catocala piatrix* (8771) {stray}: WI Outagamie County: Mosquito Hill: bait trap, 23 August 1994.
  6. *Catocala epione* (8773) {stray}: WI Outagamie County: Mosquito Hill: bait trap, 16 August 1990.
  7. *Catocala junctura* (8770) {stray}: WI Outagamie County: Appleton: bait trap, 3 October 2023.
  8. *Catocala innubens* (8770) {status uncertain}: WI Outagamie County: Mosquito Hill: hill top, MV trap, 24 July 2020.  
NOTE: From 1988-1996 I have only two worn specimens from Outagamie County, from Mosquito Hill and Appleton. Recent surveys have yielded five records for Mosquito Hill and four for suburban Appleton. Three fresh individuals were found at Mosquito Hill in 2020 (shown). Other specimens are in fair to worn condition. I have not seen the larval host (honey locust) at Mosquito Hill, although it is planted in the nearby city of New London. Planted honey locust is common in suburban Appleton.
  9. *Catocala innubens* (8770) {status uncertain}: WI Outagamie County: Mosquito Hill: row of trees between east side of prairie planting and field, bait trap, 11 August 1991.
  10. *Catocala innubens* (8770) {status uncertain}: WI Outagamie County: Mosquito Hill: west side of hill, bait trail, 13 August 2020.
  11. *Catocala innubens* (8770) {status uncertain}: WI Outagamie County: Mosquito Hill: west side of hill, bait trail, 24 July 2020.
  12. *Catocala luciana* (8808) {historical, ephemeral resident}: WI Outagamie County: Appleton: bait trap, 29 August 1993.
  13. *Catocala luciana* (8808) {historical, ephemeral resident}: WI Outagamie County: Appleton: bait trap, 16 August 1993.
  14. *Catocala luciana* (8808) {historical, ephemeral resident}: WI Outagamie County: Appleton: bait trap, 2 September 1990.
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**FIGURE 76: Southern Ephemeral Migrants (Noctuidae: Plusiinae).**

1. *Rachiplusia ou* (8895): WI Outagamie County: Fox Cities Paper Trail by Fox Valley Technical College: UV trap, 8 October 2021.
  2. *Rachiplusia ou* (8895): WI Outagamie County: Appleton: UV lights, 20 September 2018.
  3. *Rachiplusia ou* (8895): WI Outagamie County: Appleton: UV trap, 21 September 2021.
  4. *Rachiplusia ou* (8895): WI Outagamie County: Fallen Timbers: UV trap, 17 September 2018.
  5. *Rachiplusia ou* (8895): WI Outagamie County: Appleton: bait trail, 26 September 2017.
  6. *Megalographa biloba* (8907): WI Outagamie County: Appleton: bait trail, 7 October 2017.
  7. *Pseudoplusia includens* (8890): WI Outagamie County: Mosquito Hill: prairie planting, MV trap, 3 September 2021.
  8. *Pseudoplusia includens* (8890): WI Outagamie County: Appleton: MV trap, 8 September 2018.
  9. *Pseudoplusia includens* (8890): WI Outagamie County: Appleton: bait trail, 6 September 2018.
  10. *Ctenoplusia oxygramma* (8889): WI Outagamie County: Appleton: UV lights, 17 August 2018.
  11. *Trichoplusia ni* (8887): WI Outagamie County: Appleton: UV lights, 11 August 2018.
  12. *Trichoplusia ni* (8887): WI Outagamie County: Appleton: bait trail, 3 October 2017.
  13. *Ctenoplusia oxygramma* (8889): WI Outagamie County: Appleton: bait trail, 25 September 2018.
  14. *Ctenoplusia oxygramma* (8889): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  15. *Ctenoplusia oxygramma* (8889): WI Outagamie County: Appleton: MV trap, 11 September 2016.
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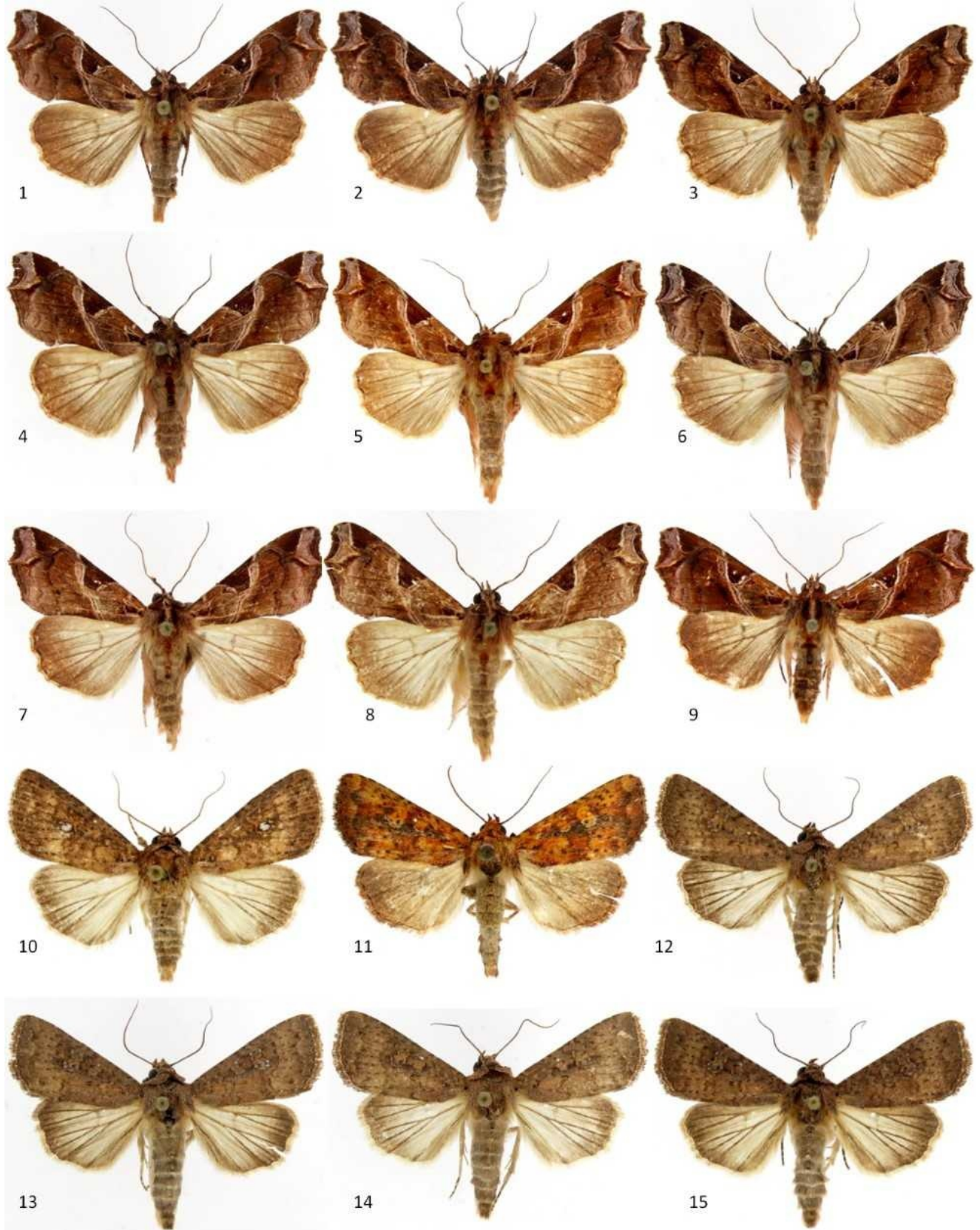
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**FIGURE 77: Southern Strays and Ephemeral Migrants (Noctuidae: Eriopinae & Condicinae).**

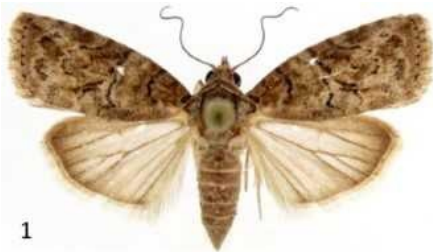
1. *Callopietria floridensis* (9630): WI Outagamie County: Appleton: bait trail, 17 August 2018.
  2. *Callopietria floridensis* (9630): WI Outagamie County: Appleton: MV trap, 12 September 2018.
  3. *Callopietria floridensis* (9630): WI Outagamie County: Appleton: bait trail, 15 August 2018.
  4. *Callopietria floridensis* (9630): WI Outagamie County: Appleton: bait trail, 25 August 2018.
  5. *Callopietria floridensis* (9630): WI Outagamie County: Appleton: bait trail, 12 September 2018.
  6. *Callopietria floridensis* (9630): WI Outagamie County: Appleton: MV trap, 4 September 2020.
  7. *Callopietria floridensis* (9630): WI Outagamie County: Appleton: bait trail, 17 August 2018.
  8. *Callopietria floridensis* (9630): WI Outagamie County: Appleton: bait trail, 23 August 2018.
  9. *Callopietria floridensis* (9630): WI Outagamie County: Appleton: bait trail, 2 October 2021.
  10. *Condica mobilis* (9693): WI Outagamie County: Appleton: bait trail, 27 September 2017.
  11. *Perigea xanthioides* (9689): WI Outagamie County: Mosquito Hill: prairie planting, bait trail, 1 September 2022.
  12. *Condica sutor* (9699): WI Outagamie County: Appleton: bait trail, 11 October 2016.
  13. *Condica sutor* (9699): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  14. *Condica sutor* (9699): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  15. *Condica sutor* (9699): WI Outagamie County: Appleton: bait trail, 11 September 2018.
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**FIGURE 78: Southern Strays and Ephemeral Migrants (Noctuidae).**

1. *Garella nilotica* (8974): WI Outagamie County: Appleton: MV trap, 19 June 2017.
  2. *Garella nilotica* (8974): WI Outagamie County: Mosquito Hill: MV trap site 6, 11 July 2021.
  3. *Garella nilotica* (8974): WI Outagamie County: Mosquito Hill: UV trap site 6, 24 July 2020.
  4. *Garella nilotica* (8974): WI Outagamie County: Fallen Timbers: MV trap, 24 September 2018.
  5. *Garella nilotica* (8974): WI Outagamie County: Mosquito Hill: MV trap site 6, 11 July 2021.
  6. *Garella nilotica* (8974): WI Outagamie County: Appleton: MV trap, 16 July 2019.
  7. *Paectes abrostoloides* (8962): WI Outagamie County: Appleton: bait trap, 3 October 2018.
  8. *Paectes abrostoloides* (8962): WI Outagamie County: Appleton: MV trap, 27 August 2018.
  9. *Marimatha nigrofimbria* (9044): WI Outagamie County: Appleton: UV lights, 22 September 2017.
  10. *Hyperstrotia pervertens* (9037): WI Outagamie County: Appleton: MV trap, 10 July 2018.
  11. *Hyperstrotia pervertens* (9037): WI Shawano County: Navarino Wildlife Area: sandy oak-pine barrens, MV sheet, 23 June 2023.
  12. *Oruza albocostaliata*, or species near (9025) {this may represent a disjunct population or separate species rather than a migrant}: WI Shawano County: Navarino Wildlife Area: sandy oak-pine barrens, MV trap, 5 August 2022.
  13. *Acronicta clarescens* (9246): WI Outagamie County: Mosquito Hill: hill near top, bait trail, 2 September 2020.
  14. *Tarachidia semiflava* (9085): WI Outagamie County: Mosquito Hill: hill top, UV trap, 18 June 1995.
  15. *Spragueia leo* (9127): WI Outagamie County: Appleton: MV trap, 15 August 2018.
  16. *Acronicta clarescens* (9246): WI Outagamie County: Appleton: bait trap, 10 August 2018.
  17. *Acronicta clarescens* (9246): WI Outagamie County: Appleton: MV trap, 19 June 2019.
  18. *Acronicta clarescens* (9246): WI Outagamie County: Appleton: MV trap, 4 September 2018.
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**FIGURE 79: Southern Strays and Ephemeral Migrants (Noctuidae).**

1. *Amyna stricta* (9070): WI Outagamie County: Appleton: MV trap, 20 September 2016.
2. *Amyna stricta* (9070): WI Outagamie County: Appleton: bait trail, 26 September 2017.
3. *Amyna stricta* (9070): WI Outagamie County: Appleton: MV trap, 12 September 2016.
4. *Amyna bullula* (9069): WI Outagamie County: Appleton: MV trap, 27 September 2018.
5. *Cirrhophanus triangulifer* (9766): WI Outagamie County: Appleton: MV trap, 24 August 2018.
6. *Plagiomimicus spumosum* (9748): WI Dane County: Swamplovers Preserve: MV trap, 24 August 2021.
7. *Schinia obscurata* (11118): WI Shawano County: Navarino Wildlife Area: sandy oak-pine barrens, MV trap, 23 June 2022.
8. *Schinia lynx* (11117): WI Outagamie County: Appleton: MV trap, 25 July 2017.
9. *Schinia nundina* (11177): WI Outagamie County: Mosquito Hill: prairie planting near floodplain forest edge, MV trap site 10, 2 September 2020.
10. *Heliothis phloxiphagus* (11072): WI Waupaca County: near Roland Lake, at electric bug zapper, 16 August 1988.
11. *Schinia thoreau* (11141): WI Outagamie County: Appleton: MV trap, 20 July 2019.
12. *Schinia trifascia* (11149): WI Dane County: Swamplovers Preserve: MV trap, 16 August 2021. Note: This species is a resident of this locality. This specimen is shown in lieu of the Outagamie County specimen, which has greased up and thus does not photograph well.
13. *Heliothis virescens* (11071): WI Waukesha County: Ottawa Lake Fen: UV trap, 9 August 1992.
- \*14. *Heliothis subflexus* (11070): WI Shawano County: Navarino Wildlife Area: sandy oak-pine barrens, MV sheet, 23 June 2023.
15. *Heliothis subflexus* (11070): WI LaCrosse County: Mississippi River wayside, 1981.

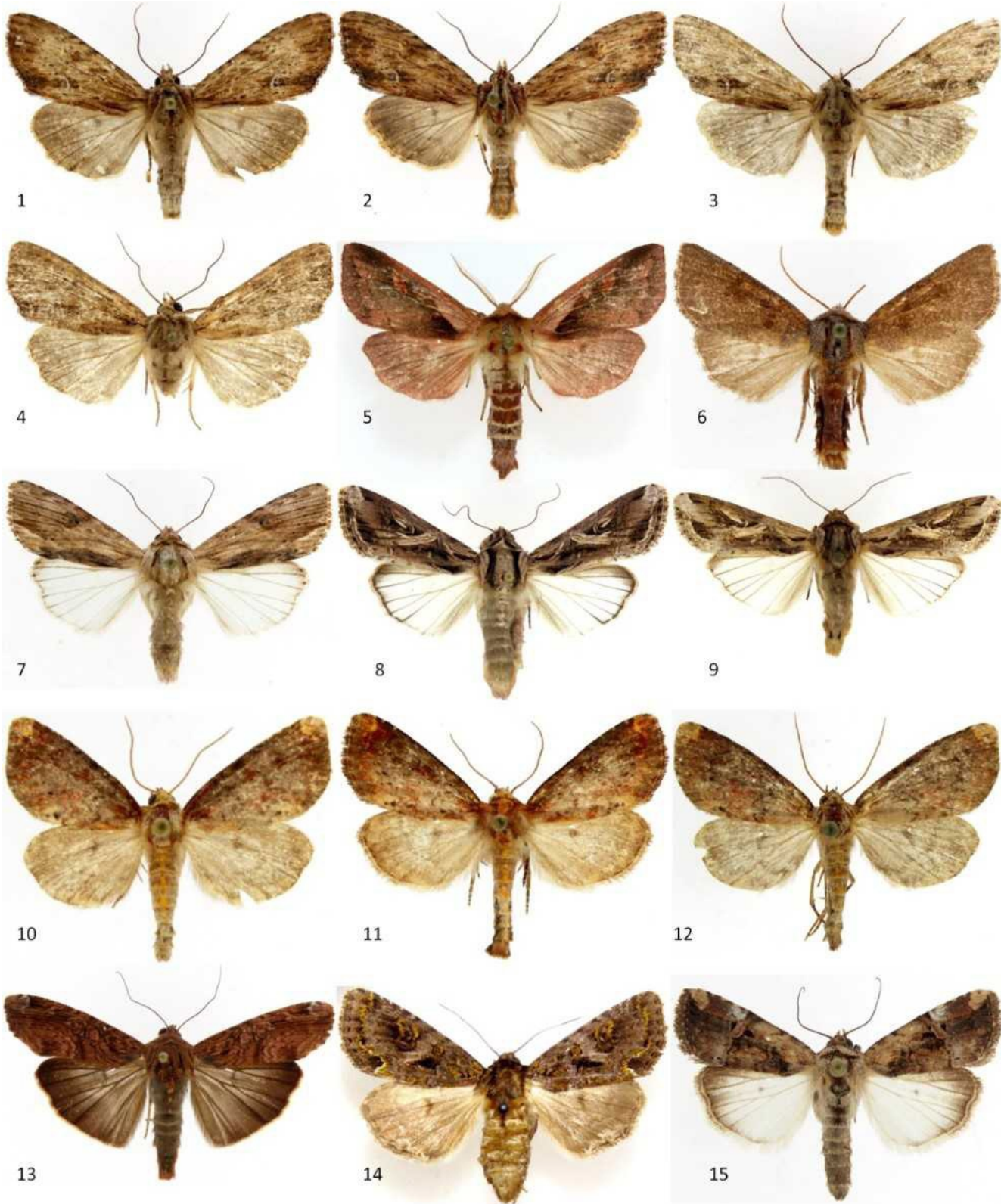
\*=Added from recent field work and not included in the text or tables. This specimen is the only record of this southern migrant from the Outagamie County area.

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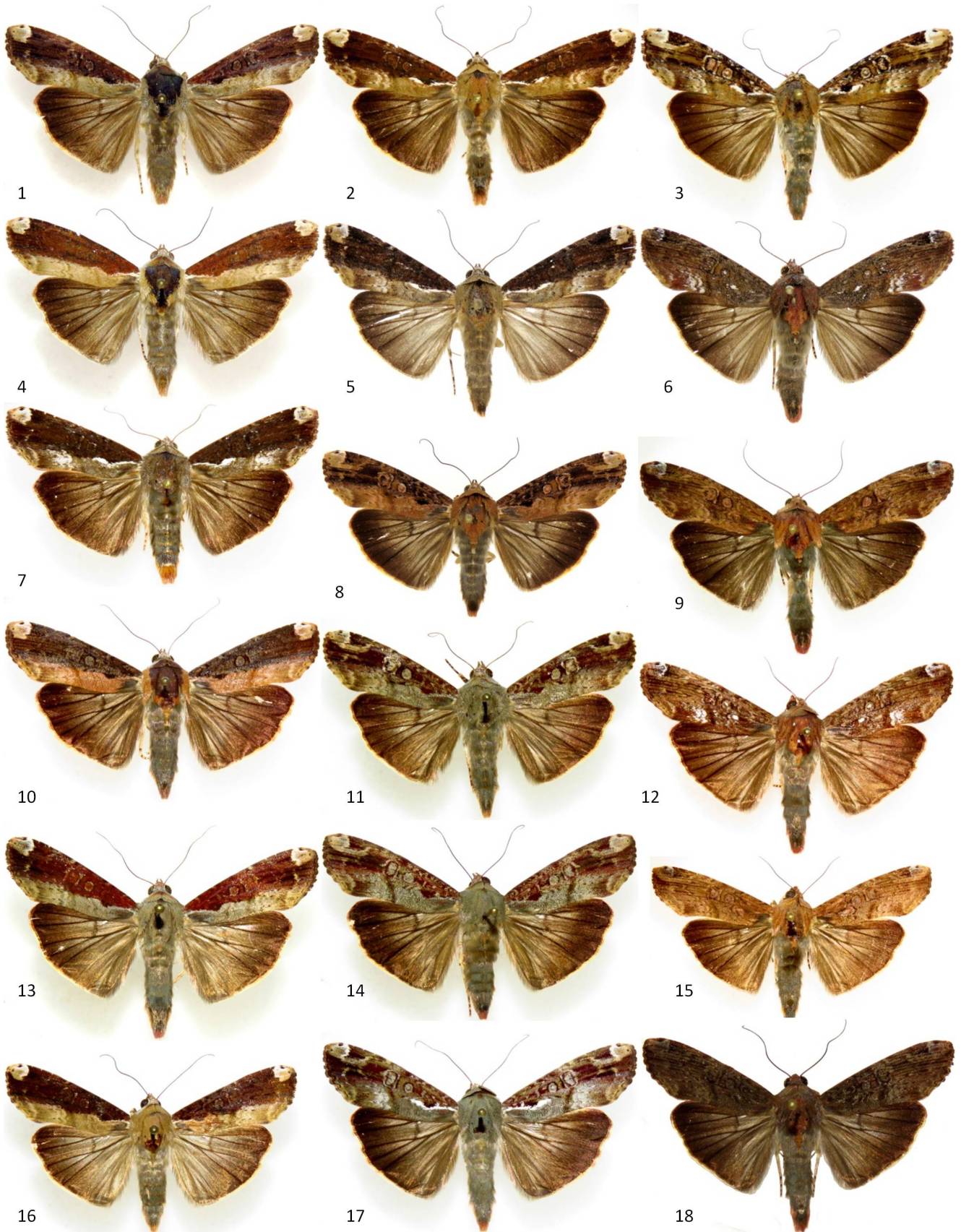
**FIGURE 80: Southern Ephemeral Migrants (Noctuidae: Noctuinae).**

1. *Apamea cristata* (9331): WI Outagamie County: Appleton: bait trap, 8 July 2018.
  2. *Apamea cristata* (9331): WI Shawano County: Navarino Wildlife Area: UV sheet, 22 June 2022.
  3. *Apamea cristata* (9331): WI Outagamie County: Mosquito Hill: hill near summit, UV trap site 24, 22 July 2022.
  4. *Apamea vulgaris* (9332): Dissection Voucher Number HLK:2714: WI Outagamie County: Appleton: bait trap, 13 June 2021.
  5. *Bellura densa complex species 1* (9526): WI Outagamie County: Appleton: MV trap, 16 August 2020.
  6. *Papaipema beeriana* (9508): WI Outagamie County: Fallen Timbers: UV trap, 1 September 1995.
  7. *Spodoptera eridania* (9672): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  8. *Spodoptera dolichos* (9671): WI Outagamie County: Appleton: bait trap, 16 October 2016.
  9. *Spodoptera dolichos* (9671): WI Outagamie County: Fallen Timbers: bait trap, 7 October 1995.
  10. *Achatodes zeae* (9520): WI Outagamie County: Appleton: bait trail, 11 July 2018.
  11. *Achatodes zeae* (9520): WI Outagamie County: Appleton: MV trap, 13 July 2020.
  12. *Achatodes zeae* (9520): WI Outagamie County: Mosquito Hill: bait trail, 18 July 2021.
  13. *Magusa divaricata* (9637): WI Outagamie County: Appleton: bait trail, 17 August 2018.
  14. *Trachea delicata* (9626): WI Winnebago County: Winneconne: Breezewood Lane: lighted sheet, 25 August 1990.
  15. *Elaphria chalcedonia* (9679): WI Outagamie County: Appleton: bait trail, 16 October 2016.
-



**FIGURE 81: The Tropical Migrant *Magusa divaricata* (9637) (Noctuidae).**

1. WI Outagamie County: Appleton: bait trail, 9 August 2018.
  2. WI Outagamie County: Appleton: bait trail, 6 October 2017.
  3. WI Outagamie County: Appleton: bait trail, 3 October 2017.
  4. WI Outagamie County: Appleton: bait trail, 8 August 2018.
  5. WI Outagamie County: Appleton: bait trail, 8 October 2018.
  6. WI Outagamie County: Appleton: MV trap, 12 August 2018.
  7. WI Outagamie County: Appleton: MV trap, 3 October 2017.
  8. WI Outagamie County: Appleton: bait trail, 23 August 2018.
  9. WI Outagamie County: Appleton: bait trail, 6 October 2017.
  10. WI Outagamie County: Appleton: bait trail, 15 August 2018.
  11. WI Outagamie County: Appleton: bait trail, 15 August 2018.
  12. WI Outagamie County: Appleton: bait trail, 19 August 2018.
  13. WI Outagamie County: Appleton: MV trap, 16 September 2018.
  14. WI Outagamie County: Appleton: bait trail, 15 August 2018.
  15. WI Outagamie County: Appleton: UV lights, 30 September 2017.
  16. WI Outagamie County: Appleton: bait trail, 15 August 2018.
  17. WI Outagamie County: Appleton: bait trail, 15 August 2018.
  18. WI Outagamie County: Appleton: MV trap, 26 September 2017.
-



**FIGURE 82: Southern Strays and Ephemeral Migrants (Noctuidae: Noctuinae).**

1. *Leucania adjuta* (10456): WI Outagamie County: Appleton: bait trail, 20 October 2017.
  2. *Leucania adjuta* (10456): WI Outagamie County: Appleton: bait trail, 6 October 2017.
  3. *Leucania adjuta* (10456): WI Outagamie County: Appleton: bait trail, 6 October 2017.
  4. *Leucania adjuta* (10456): WI Outagamie County: Fallen Timbers: bait trail, 9 October 2021.
  5. *Leucania ursula* (10461): WI Dane County: Swamplovers Preserve: MV trap, 16 August 2021.  
[Apparently now established as a resident at this locality]
  6. *Leucania ursula* (10461): Same specimen as Number 5, underside.
  7. *Sericaglaea signata* (9941): WI Shawano County: Navarino Wildlife Area: bait trail, 24 October 2022.
  8. *Agrotis subterranea* (10664): WI Outagamie County: Appleton: bait trail, 22 October 2017.
  9. *Agrotis subterranea* (10664): WI Outagamie County: Appleton: bait trail, 21 October 2017.
  10. *Anicla infecta* (10911): WI Outagamie County: Old Stone Bridge Trail: bait trail, 9 October 2020.
  11. *Anicla infecta* (10911): WI Winnebago County: Wiouwash Trail just south of county line, sedge meadow, UV trap, 8 October 2021.
  12. *Anicla infecta* (10911): WI Outagamie County: Appleton: bait trail, 6 October 2020.
  13. *Anicla infecta* (10911): WI Outagamie County: Old Stone Bridge Trail: bait trail, 14 October 2020.
  14. *Anicla infecta* (10911): WI Outagamie County: Appleton: UV lights, 19 August 2016.
  15. *Anicla infecta* (10911): WI Outagamie County: Old Stone Bridge Trail: bait trail, 18 October 2018.
-





**FIGURE 83: 1-16: Southern Strays or Poorly Documented Species of Unknown Status; 17-18: Annual Migrants with Deformed Wings.**

1. *Misogoda unicolor* (7974): WI Dane County: Swamplovers Preserve: MV Trap, 24 August 2021.
  2. *Dasychira tephra* (8292): WI Dane County: Swamplovers Preserve: MV Trap, 15 August 2021.
  3. *Haploa clymene* (8107): WI Kenosha County: Chiwaukee Prairie, UV sheet, 18 August 1993.
  4. *Tetanolita near palligera* (8367.1): WI Outagamie County: Appleton: UV lights, 30 August 1995.
  5. *Renia adspersgillis* (8386): WI Outagamie County: Appleton: UV lights, 14 July 1996.
  6. *Renia salusalis* species 2 (8378): WI Waukesha County: Ottawa Lake Campground: mesic hardwood forest/fields, UV sheet, 13 July 1993.
  7. *Meganola phylla* (8983.1): WI Waukesha County: Sand Prairie West of Highway S: UV sheet, 26 July 1993.
  8. *Meganola phylla* (8983.1): WI Outagamie County: Mosquito Hill: UV lights on hill top, 30 July 1995.
  9. *Oruza albocostaliata*, or species near (9025): WI Jackson County: Kling Road: upland oak-pine forest with barrens openings, UV trap, 3 July 1993.
  10. *Ozarba aeria* (9030): WI Dane County: Swamplovers Preserve: MV Trap, 23 August 2021.
  11. *Acontia aprica* (9136): WI Kenosha County: Chiwaukee Prairie, UV trap, 28 July 1993.
  12. *Acontia terminimaculata* species complex (9145): WI Outagamie County: Mosquito Hill: UV lights on hill top, 21 July 1992.
  13. *Homophoberia cristata* (9056): WI Waukesha County: Ottawa Lake Fen: UV trap, 25 July 1992.
  14. *Polygrammate hebraicum* (9285): WI Waukesha County: Sand Prairie West of Highway S: UV sheet, 13 August 1993.
  15. *Iodopepla u-album* (9522): WI Kenosha County: Chiwaukee Prairie: UV trap, 18 August 1993.
  16. *Apamea vulgaris* (9332): WI Outagamie County: Appleton: 9 June 1991.
  17. *Pseudaletia unipuncta* (10438): WI Outagamie County: Appleton: MV trap, 16 August 2018.
  18. *Agrotis ipsilon* (10663): WI Outagamie County: Old Stone Bridge Trail: bait trail, 10 October 2020.
-



**FIGURE 84: Rare Southern Strays or Accidentals Recorded from Outagamie County or Elsewhere in Eastern Wisconsin (Geometridae & Noctuidae).**

1. *Psamatodes abydata* (6332): WI Outagamie County: Appleton: MV trap, 15 August 2017.
2. *Dichorda iridaria* (7053): WI Outagamie County: Appleton: lighted sheet, 18 July 1991.
3. *Lobocleta ossularia* (7094): WI Outagamie County: Appleton: MV trap, 8 October 2018.
- \*4. *Idaea violacearia* (7120): WI Outagamie County: Appleton: UV lights, 30 May 2023.  
Note: Remarkably, this specimen looks like a geographic variant found in southeastern Texas.
5. *Nola cereella* (8991): WI Outagamie County: Appleton: MV trap, 8 September 2015.
6. *Cisthene plumbea* (8067): WI Outagamie County: Appleton: MV trap, 14 September 2015.
7. *Redectis vitrea* (8401): WI Outagamie County: Mosquito Hill: prairie planting/floodplain forest edge, MV trap 10, 2 September 2020.
8. *Idia denticulalis* (8333): WI Outagamie County: Mosquito Hill: hilltop mesic hardwood forest/grassland, 25 July 2020.
9. *Idia scobialis* (8330): WI Waukesha County: Ottawa Lake Fen: fen and sedge meadow along lake margin, adjacent to hydric to mesic hardwood forest, bait trap, 9 August 1992.
10. *Bleptina sangamonia* (8372)?: WI Outagamie County: Mosquito Hill: prairie planting/floodplain forest edge, MV trap 10, 4 August 2021.  
Note: This specimen should be dissected due to its worn condition. An undescribed species similar to *sangamonia* occurs in Oklahoma and Texas, and I do not know if it strays or migrates north.
11. *Palthis asopialis* (8398): WI Outagamie County: Appleton: MV trap, 9 September 2015.
12. *Nigetia formosalis* (8440): WI Outagamie County: Mosquito Hill: prairie planting/floodplain forest edge, MV trap 10, 2 September 2020.
13. *Sigela brauneata* (8432): WI Outagamie County: Appleton: MV trap, 8 October 2018.
14. *Colobochyla interpuncta* (8411): WI Outagamie County: Appleton: MV trap, 8 September 2015.
15. *Hemeroplanis scopulepes complex species 1* (8467): WI Outagamie County: Appleton: MV trap, 20 September 2015.
16. *Metalectra tantillus* (8502): WI Outagamie County: Mosquito Hill: hilltop mesic hardwood forest/grassland, 25 July 2020.
- \*17. *Arugisa lutea* (8509): WI Outagamie County: Appleton: UV lights, 26 June 2023.
18. *Hypsoropha hormos* (8528): WI Outagamie County: Appleton: MV trap, 26 June 2019.

\*=This record was added from recent field work and is not included in the species account.

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**FIGURE 85: Rare Southern Strays or Accidentals Recorded from Outagamie County or Elsewhere in Eastern Wisconsin (Noctuidae).**

1. *Melipotis jucunda* (8607): WI Outagamie County: Appleton: MV trap, 8 July 2018.

Note: This specimen looks like a southwestern phenotype, whereas the other two records are a typical southeastern phenotype.

2. *Melipotis indomita* (8600): WI Outagamie County: Appleton: bait trap, 9 July 2018.

3. *Bulia deducta* (8614): WI Outagamie County: Mosquito Hill: upland prairie planting/mesic hardwood forest along the south side of the hill, MV sheet 6, 9 June 2023.

4. *Caenurgina chloropha* (8733): WI Outagamie County: Appleton: MV trap, 8 September 2015.

5. *Alabama argillacea* (8554): WI Outagamie County: Appleton: 1981.

6. *Zale aeruginosa* species 2 (8694): WI Outagamie County: Appleton: July-September 2011, Hugo Kons Sr.

7. *Paectes pygmaea* (8959): WI Outagamie County: Appleton: MV trap, 17 July 2016.

8. *Hyperstrotia flavigutta* (9039): WI Outagamie County: Mosquito Hill: prairie planting/floodplain forest edge, MV trap 10, 2 September 2020.

9. *Tripudia rectangularis* (9003.1): WI Dane County: Swamplovers Preserve: upland mesic hardwood forest/upland prairie restoration overlooking wet-mesic prairie planting/wetlands, MV trap, 24 August 2021.

10. *Acontia aprica* (9136): WI Outagamie County: Mosquito Hill: prairie planting/floodplain forest edge, MV sheet 10, 23 August 2022.

11. *Schinia jaguarina* (11132): WI Outagamie County: Mosquito Hill: upland prairie planting/mesic hardwood forest along the south side of the hill, MV trap 6, 10 July 2020.

12. *Schinia bifascia* (11142): WI Outagamie County: Fallen Timbers: field with prairie planting/hydric hardwood forest edge, MV trap 1, 17 September 2018.

13. *Phosphila turbulenta* (9618): WI Waukesha County: Ottawa Lake Campground: mesic hardwood forest/field, UV sheet, 25 July 1992.

14. *Micrathetis triplex* (9644): WI Outagamie County: Mosquito Hill: hill top mesic hardwood forest/grassland, MV trap 4, 10 July 2020.

15. *Properigea costa* (9589): WI Outagamie County: Mosquito Hill: hill top mesic hardwood forest/grassland, MV trap 4, 10 July 2020.

NOTE: This specimen looks like the typical phenotype of southwestern Oklahoma and Missouri.

16. *Himella fidelis* (10502): WI Portage County, Emmons Creek Public Hunting Area: oak-pine barrens, UV sheet, 11 May 1993.

17. *Agrotis maldefida* (10661): WI Outagamie County: Appleton: bait trap, 8 July 2018.

18. *Choephora fungorum* (10998): WI Kenosha County: Visitor Center: flushed from field during day, 3 October 2023.

NOTE: This might be a resident rather than a stray. It is established as far north as Wheaton, IL (DuPage County).

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**FIGURE 86: Southern Strays and Ephemeral Migrants (Tineidae, Depressaridae, Plutellidae, Ypsolophidae, Choreutidae, Tortricidae, and Epipyropidae).**

1. *Acrolophus popeanella* (373): WI Outagamie County: Appleton: UV lights, 21 August 2022.
2. *Gonioterma mistrella* (1032): WI Outagamie County: Appleton: UV sheet, 31 August 2022.
3. *Rhyacionia buoliana* (2867): (3630): WI Outagamie County: Appleton: MV trap, 1 July 2017.
4. *Acrolophus propinqua* (374): WI Outagamie County: Appleton: UV lights, 22 August 2022.
- \*5. *Plutella porrectella* (2363): WI Outagamie County: Appleton: UV lights, 14 July 2023.
6. *Cydia garcana* (3457): WI Outagamie County: Appleton: MV trap, 6 July 2017.
7. *Acrolophus texanella* (383): WI Outagamie County: Appleton: MV trap, 5 September 2016.
8. *Plutella porrectella* (2363): WI Outagamie County: Appleton: MV trap, 14 June 2022.
9. *Diedra cockerellana* (3630): WI Outagamie County: Appleton: MV trap, 25 September 2017.
10. *Acrolophus morus* (367): WI Outagamie County: Appleton: UV lights, 27 September 2018.
11. *Ypsolopha barberella* (2370): WI Outagamie County: Appleton: MV trap, 16 May 2018.
12. *Atroposia oenotherana* (3842): WI Outagamie County: Appleton: MV trap, 20 August 2018.
13. *Acrolophus morus* (367): WI Outagamie County: Appleton: UV lights, 21 September 2017.
14. *Prochoreutis inflatella* (2629): WI Outagamie County: Fallen Timbers: MV trap, 18 June 2021.
15. *Atroposia oenotherana* (3842): WI Outagamie County: Appleton: MV trap, 16 August 2016.
16. *Ethmia zelleriella* (992): WI Outagamie County: Appleton: MV trap, 10 June 2017.
17. *Eumarozia malachitana* (2749): WI Outagamie County: Appleton: UV lights, 5 May 2018.
18. *Fulgoraecia exigua* (4701): WI Dane County: Swamplovers Preserve, MV trap, 24 August 2021.

\*=Added from recent field work and not included in the text or tables.

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**FIGURE 87: Southern Strays and Migrants (Pyrallidae).**

1. *Dicymolomia julianalis* (4889): WI Outagamie County: Appleton: MV trap, 20 June 2017.
  2. *Chalcoela iphitalis* (4895): WI Outagamie County: Appleton: MV trap, 18 June 2019.
  3. *Hahncappsia mancalis* (4967): WI Outagamie County: North Bluemound Drive Power Line Cut: UV trap, 4 September 2018.
  4. *Hahncappsia* species, *pergilvalis* (4968)?: WI Outagamie County: Appleton: UV trap, 31 August 2021.
  5. *Achyra rantalis* (4975): WI Outagamie County: North Bluemound Drive Power Line Cut: UV trap, 5 September 2019.
  6. *Achyra rantalis* (4975): WI Outagamie County: Appleton: bait trail, 5 September 2018.
  7. *Uresiphita reversalis* (4992): WI Outagamie County: Mosquito Hill: 22 August 1994.
  8. *Pyrausta tyralis* (5069): WI Dane County: Swamplovers Preserve: MV trap, 14 August 2021.
  9. *Pyrausta subsequalis* (5060): WI Outagamie County: Appleton: UV lights, 1 August 2017.
  10. *Pyrausta inveterascalis* (5036): WI Outagamie County: Appleton: MV trap, 27 August 2020.
  11. *Udea rubigalis* (5079): WI Outagamie County: Appleton: MV trap, 5 September 2020.
  12. *Lineodes integra* (5107): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  13. *Ategumia ebulealis* (5158): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  14. *Udea rubigalis* (5079): WI Shawano County: Navarino Wildlife Area: bait trail, 20 November 2020.
  15. *Apogesha stenialis* (5177): WI Outagamie County: Appleton: MV trap, 30 June 2017.
-



**FIGURE 88: Southern Strays and Migrants (Pyrilidae).**

1. *Hymenia perspectalis* (5169): WI Outagamie County: Appleton: bait trail, 8 October 2017.
  2. *Hymenia perspectalis* (5169): WI Outagamie County: Fallen Timbers: MV trap, September 2018.
  3. *Spoladea recurvalis* (5170): WI Outagamie County: Appleton: MV trap, 11 October 2016.
  4. *Diasemioides janassialis* (5172): WI Outagamie County: Fallen Timbers: UV trap 26, 18 September 2022.
  5. *Diaphania hyalinata* (5204): WI Outagamie County: Appleton: bait trail, 26 September 2017.
  6. *Nomophila nearctica* (5156): WI Outagamie County: Appleton: UV lights, 21 May 2019.
  7. *Patania silicanis* (5243): WI Outagamie County: Mosquito Hill: hillside bait trail, 9 November 2020.
  8. *Palpita quadristigmalis* (5218): WI Outagamie County: Appleton: bait trail, 8 August 2018.
  9. *Diastictis ventralis* (5255): WI Burnett County: Namekogan Barrens: T42N R 14W Sec 1, UV light, 19 June 1996.
  10. *Herpetogramma bipunctalis* (5272): WI Outagamie County: Mosquito Hill: prairie planting, nectaring on *Helianthis giganteus*, 15 September 2020.
  11. *Herpetogramma bipunctalis* (5272): WI Outagamie County: Appleton: MV trap, 7 September 2016.
  12. *Pilocrocis ramentalis* (5281): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  13. *Herpetogramma bipunctalis* (5272): WI Outagamie County: Appleton: MV trap, 8 November 2016.
  14. *Herpetogramma phaeopteralis* (5274): WI Outagamie County: Appleton: MV trap, 11 October 2016.
  15. *Pilocrocis ramentalis* (5281): WI Outagamie County: Appleton: bait trail, 26 September 2017.
-



**FIGURE 89: Southern Strays and Migrants (Pyrallidae).**

1. *Psara obscuralis* (5268): WI Outagamie County: Appleton: MV trap, 10 August 2018.
  2. *Platytes vobisne* (5394): WI Outagamie County: Appleton: MV trap, 14 July 2019.
  3. *Agriphila ruricolellus* (5399): WI Outagamie County: Appleton: MV trap, 25 August 2020.
  4. *Agriphila ruricolellus* (5399): WI Outagamie County: Appleton: MV trap, 22 August 2018.
  5. *Agriphila vulgivagellus* (5403): WI Outagamie County: North Bluemound Drive Power Line Cut: UV trap, 2 September 2018.
  6. *Euchromius ocella* (5454): WI Shawano County: Navarino Wildlife Area: sedge meadow along stream, UV trap 23, 2 November 2022.
  7. *Euchromius ocella* (5454): WI Outagamie County: Mosquito Hill: prairie planting, UV trap 26, 1 October 2022.
  8. *Pococera humerella* (5617): WI Dane County: Swamplovers Preserve: MV trap, 21 August 2021.
  9. *Galleria mellonella* (5622): WI Outagamie County: Appleton: UV lights, 21 September 2017.
  10. *Achoria grisella* (5623): WI Outagamie County: Appleton: MV trap, 5 September 2016.
  11. *Eustixia pupula* (4794): WI Outagamie County: Appleton: MV trap, 8 July 2018.
  12. *Microtheoris ophionalis* (4796): WI Outagamie County: Appleton: MV trap, 7 July 2018.
  13. *Hellula rogatalis* (4846): WI Outagamie County: Appleton: MV trap, 16 September 2015.
  14. *Pyrausta onythesalis* (5042): WI Outagamie County: Appleton: MV trap, 27 August 2017.
  15. *Pyrausta rubricalis* (5051): WI Outagamie County: Appleton: MV trap, 29 August 2017.
  16. *Pyrausta laticlavata* (5070): WI Outagamie County: Appleton: MV trap, 3 September 2017.
  17. *Samea multiplicalis* (5151): WI Outagamie County: Appleton: bait trail, 26 October 2017.
-



**FIGURE 90: Southern Strays and Migrants (Pyralidae & Hesperidae).**

1. *Glyphodes sibillalis* (5198): WI Outagamie County: Appleton: MV trap, 7 September 2016.

2. *Glyphodes sibillalis* (5198): WI Outagamie County: Appleton: MV trap, 7 September 2016.

3. *Terastia meticulosalis* (5239): WI Outagamie County: Appleton: MV trap, 12 July 2016.

4. *Diastictis argyralis* (5253): WI Outagamie County: Appleton: MV trap, 29 August 2017.

5. *Conchylodes ovulalis* (5292): WI Outagamie County: Appleton: MV trap, 8 July 2018.

\*6. *Diacme elealis* (5142): WI Outagamie County: Appleton: MV trap, 31 October 2016.

\*7. *Samea castellalis* (5150): WI Outagamie County: Appleton: MV trap, 31 October 2016.

8. *Carectocultus perstitialis* (5307): WI Door County: Sunset Drive near Baileys Harbor: boreal forest/wetlands, 18 August 2017.

**Note:** This locality is poorly studied for micros. This specimen might represent a disjunct population rather than a stray.

\*9. *Hypsopygia nostralis* (5531): WI Outagamie County: Appleton: UV lights, 22 May 2023.

10. *Hylephila phyleus* (4013): WI Outagamie County: Prairie Hill Park: 30 September 2022.

11. *Hylephila phyleus* (4013): Same individual as number 10, underside.

12. *Hylephila phyleus* (4013): WI Outagamie County: Prairie Hill Park: 30 September 2022.

13. *Hylephila phyleus* (4013): Same individual as number 12, underside.

14. *Erynnis horatius* (3952): WI Outagamie County: Appleton: nectaring on *Solidago*, 9 September 2015.

15. *Erynnis horatius* (3952): Same individual as number 14, underside.

\*=Added from recent field work or specimen backlog and not included in the text or tables.





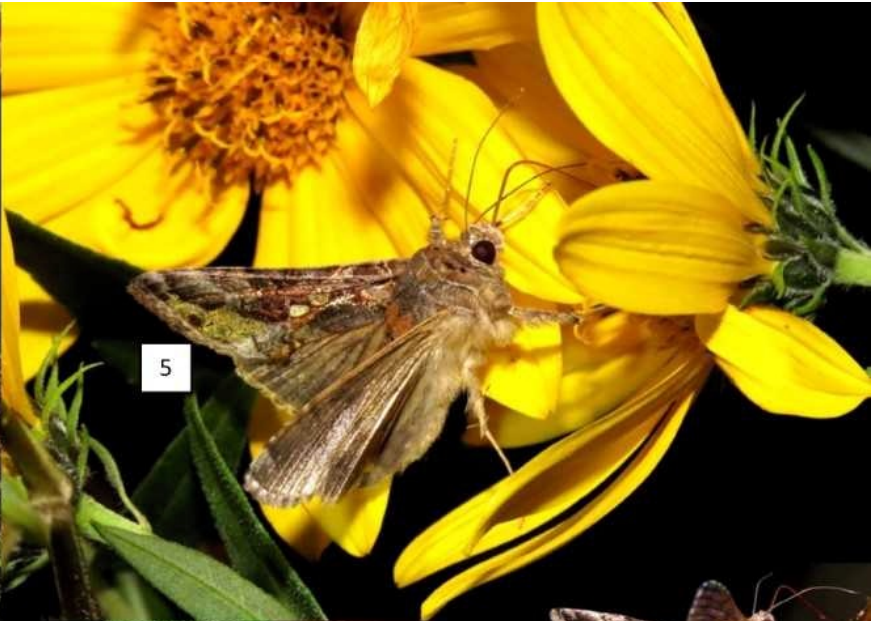
**FIGURE 91: Live Photos of Southern and Western Strays and Migrants (Noctuidae).**

1. *Dargida procinctus* (10428): WI Outagamie County: Appleton: bait trail, 19 September 2018.
  2. *Renia discoloralis* (8381): WI Shawano County: Navarino Wildlife Area: bait trail, 2 August 2022.
  3. *Condica sutor* (9699): WI Outagamie County: Mosquito Hill: bait trail, 12 October 2021.
  4. *Autographa californica* (8914): WI Outagamie County: Fallen Timbers: landed on leaf during the day, 23 July 2020.
  5. *Spodoptera eridania* (9672): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  6. *Amyna stricta* (9070): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  7. *Melipotis perpendicularis* (8598): WI Outagamie County: Appleton: UV lights, 8 August 2019.
  8. *Melipotis jucunda* (8607): WI Shawano County: Navarino Wildlife Area: bait trail, 8 September 2022.
  9. *Ctenoplusia oxygramma* (8889): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  10. *Condica mobilis* (9693): WI Outagamie County: Appleton: bait trail, 27 September 2017.
  11. *Hypena minualis* (8457): WI Shawano County: Navarino Wildlife Area: bait trail, 9 November 2022.
  12. *Anicla infecta* (10911): WI Outagamie County: Old Stone Bridge Trail: bait trail, 14 October 2020.
  13. TOP: *Spodoptera frugiperda* (9666); BOTTOM: *Spodoptera dolichos* (9671): WI Outagamie County: Appleton: bait trail, 16 October 2016.
  14. *Elaphria chalcedonia* (9679): WI Outagamie County: Appleton: bait trail, 16 October 2016.
  15. *Catocala piatrix* (8771): WI Outagamie County: Mosquito Hill: bait trail, 1 September 2022.
-



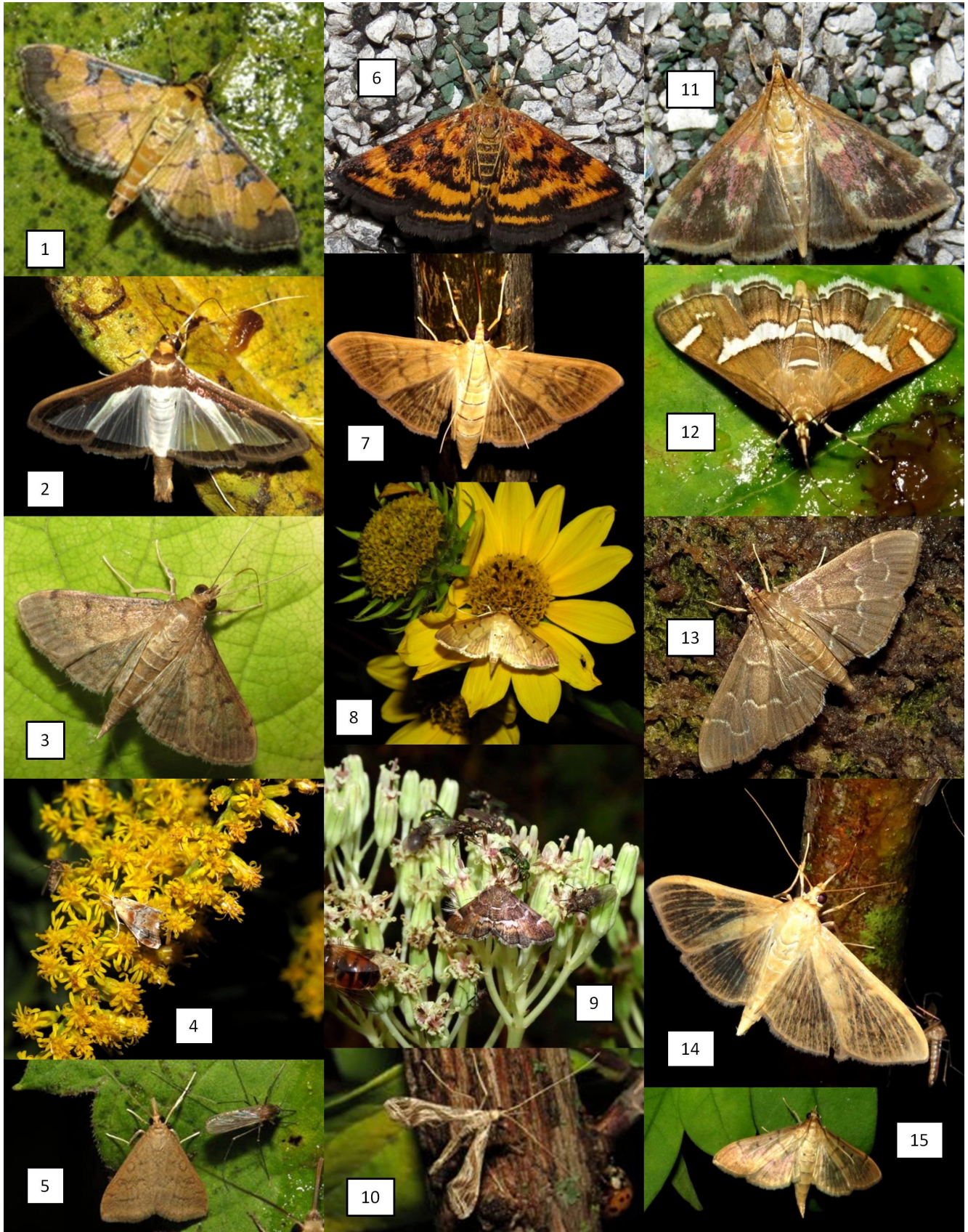
**FIGURE 92: Live Photos of Southern and Western Strays and Migrants (Noctuidae & Geometridae).**

1. *Pseudoplusia includens* (8890): WI Outagamie County: Fallen Timbers: bait trail, 19 September 2021.
  2. *Pseudoplusia includens* (8890): WI Outagamie County: Fallen Timbers: bait trail, 20 September 2022.
  3. *Dargida procinctus* (10428): WI Outagamie County: Old Stone Bridge Trail: bait trail, 7 October 2020.
  4. *Coryphista meadii* (7290): WI Outagamie County: Appleton: bait trail, 29 August 2021.
  5. *Pseudoplusia includens* (8890): WI Outagamie County: Mosquito Hill: prairie planting, nectaring on *Helianthus giganteus*, 16 September 2021.
  6. *Dargida procinctus* (10428): WI Outagamie County: Mosquito Hill: prairie planting, bait trail, 1 September 2022.
  7. *Sericaglaea signata* (9941): WI Shawano County: Navarino Wildlife Area: bait trail, 24 October 2022.
  8. *Agrotis subterranea* (10664): WI Outagamie County: Appleton: bait trail, 21 October 2017.
  9. *Pseudoplusia includens* (8890): WI Outagamie County: Fallen Timbers: bait trail, 10 October 2021.
  10. *Autographa californica* (8914): WI Shawano County: Navarino Wildlife Area: bait trail, 9 November 2022.
  11. *Mocis latipes* (8743): WI Outagamie County: Fallen Timbers: bait trail, 9 October 2021.
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**FIGURE 93: Live Photos of Southern Strays and Migrants (Pyrilidae).**

1. *Ategumia ebulealis* (5158): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  2. *Diaphania hyalinata* (5204): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  3. *Herpetogramma phaeopteralis* (5274): WI Outagamie County: Appleton: bait trail, 19 October 2016.
  4. *Dicymolomia julianalis* (4889): WI Outagamie County: North Bluemound Drive Power Line Cut: nectarig on *Solidago*, 30 August 2021.
  5. *Udea rubigalis* (5079): WI Outagamie County: Appleton: bait trail, 18 October 2016.
  6. *Pyrausta onythesalis* (5042): WI Outagamie County: Appleton: UV lights, 1 August 2017.
  7. *Patania silicanis* (5243): WI Outagamie County: Mosquito Hill: bait trail, 12 October 2021.
  8. *Herpetogramma bipunctalis* (5272): WI Outagamie County: North Bluemound Drive Power Line Cut: nectarig on *Helianthus giganteus*, 23 September 2020.
  9. *Hymenia perspectalis* (5169): WI Outagamie County: Mosquito Hill: nectaring on Pale Indian Plantain, 13 October 2021, 11:47AM.
  10. *Lineodes integra* (5107): WI Outagamie County: Appleton: bait trail, 17 October 2016.
  11. *Pyrausta inveterascalis* (5036): WI Outagamie County: Appleton: UV lights, 8 July 2017.
  12. *Spoladea recurvalis* (5170): WI Outagamie County: Appleton: bait trail, 15 October 2016.
  13. *Pilocrocis ramentalis* (5281): WI Outagamie County: Appleton: bait trail, 27 September 2017.
  14. *Patania silicanis* (5243): WI Outagamie County: Fallen Timbers: bait trail, 10 October 2021.
  15. *Herpetogramma bipunctalis* (5272): WI Outagamie County: Appleton: landed on Magnolia leaf, 17 October 2016.
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**FIGURE 94: Northern Strays.**

1. *Speranza brunneata* (6286): WI Outagamie County: Appleton: UV lights, 18 June 2017.
2. *Hyles gallii* (7893): WI Outagamie County: Appleton: UV lights, 14 July 2022.
3. *Sunira* species: WI Outagamie County: Appleton: UV lights, 20 September 2017.  
Note: I think this is *Sunira verberata* (9960), but unfortunately I did not recognize the significance of this individual until later, and I did not collect a voucher specimen to confirm the identification.
4. *Syngrapha rectangula* (8942): WI Outagamie County: Appleton: MV trap, 26 June 2020.
5. *Syngrapha octoscripta* (8926): WI Outagamie County: Appleton: UV trap, 27 July 1996.
- \*6. *Syngrapha abstrusa* (8940): WI Outagamie County: Appleton: UV light, 21 June 1995;  
Dissection Number: HLK/PLS/1998:4.
- \*7. *Syngrapha epigaea* (8927): WI Outagamie County: Appleton: lighted sheet, 26 August 1993.
- \*8. *Autographa ampla* (8923): WI Outagamie County: Appleton: 1981.
9. *Catocala antinympha* (8775): WI Outagamie County: Appleton: bait trail, 15 July 2018.
10. *Catocala antinympha* (8775): WI Outagamie County: Appleton: bait trap, 25 July 2017.
11. *Catocala sordida* (8846): WI Outagamie County: Appleton: bait trail, 15 August 2019.
12. *Manulea bicolor* (8043): WI Brown County: Village of Howard: 15 August 1991.

\*This record was inadvertently omitted from the tables and text.

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## Southern Lepidoptera strays recently recorded from Outagamie County, WI



1. *Melipotis fasciolaris* (8599): Suburban Appleton: MV Trap, 20 September 2019. 2. *Schinia gaurae* (11168): Mosquito Hill: upland prairie planting/forest edge, MV sheet, 9 June 2023. 3. *Melipotis perpendicularis* (8598): Suburban Appleton, MV Trap, 29 July 2020. 4. *Enigmogramma basigera* (8886): Suburban Appleton: MV Trap, 30 September 2019. 5. *Argyrogramma verruca* (8885): Suburban Appleton: MV Trap: 17 August 2017. 6. *Condica confederata* (9714): Suburban Appleton: MV Trap, 21 October 2017. 7. *Heliothis virescens* (11071): Suburban Appleton: MV Trap, 3 October 2023. 8. *Mouralia tinctorides* (8884): Suburban Appleton: MV Trap, 21 October 2017. 9. *Spodoptera exigua* (9665): Suburban Appleton: MV Trap, 28 June 2012. 10. *Disclisoprocta stellata* (7417): Suburban Appleton: netted shortly after dark, 19 September 2022. 11. *Iridopsis defectaria* (6586): Suburban Appleton: UV Trap, 27 August 2021. 12. *Macaria promiscuata* (6331): Suburban Appleton: MV Trap, 3 September 2017.