



NEWS

OF THE

LEPIDOPTERISTS' SOCIETY



2022 Season Summary

Volume 65, Supplement S1

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Cover pages/index edited by: James K. Adams (address inside back cover)

Front Cover: *Hesperia assiniboia*, Mantiboa, Eastman Region, Birds Hill Provincial Park, 10 August 2022, Kyle E. Johnson. A large population still persists at this location - some good news in the current age of declining skippers.

The Lepidopterists' Society is a non-profit educational and scientific organization. The objective of the Society, which was formed in May 1947 and formally constituted in December 1950, is "to promote internationally the science of lepidopterology in all its branches; to further the scientifically sound and progressive study of Lepidoptera, to issue periodicals and other publications on Lepidoptera; to facilitate the exchange of specimens and ideas by both the professional worker and the amateur in the field; to compile and distribute information to other organizations and individuals for purposes of education and conservation and appreciation of Lepidoptera; and to secure cooperation in all measures" directed towards these aims. (Article II, Constitution of The Lepidopterists' Society.)

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Season Summary 2022 – Print Edition

There are both print and online versions of the Season Summary: 1) We are more selective with records included in the print edition of the Season Summary. We include all National, State and County records, as well as other records that have significance, such as very late or early records, explosions of species, and migrant movements. We seek to include more text and photos in the introductory material for each zone, and we want to encourage contributors to provide information and photos that zone coordinators can submit with future Season Summaries. 2) The online or PDF edition of the Season Summary includes ALL submitted records. Interested members can download this PDF, either in its entirety or as individual zones on the Lepidopterists' Society website. All records are submitted to the SCAN database and are searchable using that system (<https://scan-bugs.org/portal/collections/harvestparams.php>).

Finally, we want to sincerely thank all the contributors and particularly the zone coordinators for pushing forward to continue the valuable effort that is the Season Summary. This will be the final year as Zone Coordinator for both Jon Shepard (Zone 2) and Isabel Vargas Fernandez (Zone 11). Jon has been the longest serving Zone Coordinator, as far as we know in the history of the society, and we wish him well as he passes on this duty to Caitlyn LaBar. Ivonne Garzon will be taking over coordination for Zone 11. We welcome both to the Season Summary team.

Brian Scholtens and Jeff Pippen

Interpreting the summary:

1. Zones are listed in order numerically, with each country, state or province included in alphabetical order.
2. All contributors are listed for each zone alphabetically by last name. Although not all contributors will have all records included in the printed edition of the summary, all records are included in the PDF version.
3. Within each country, state, or province, records are listed in alphabetical order, first by family and then by genus, species, and county (or region).
4. All national or state records are indicated as such using bold, capital letters. All county records are indicated by bold print for the county name.
5. As much as possible, our taxonomy for butterflies follows the most current version of the Pelham (2022) list and for moths follows the Pohl et al. (2016) list for North America. We haven't checked every single record but attempted to use those lists throughout.

Zone 1: Far North: Alaska, Northwest Territories, Nunavut, and Yukon Territory
Coordinator: André Langlois

Contributors: Brian Mcgurgan (BM4)

Brian Mcgurgan submitted numerous and detailed butterfly records from southern Alaska, focused on the Anchorage area. This region is underreported in previous season summaries. All photos by Brian Mcgurgan.



Erynnis persius borealis: Eklutna Lake



Boloria freija: Flattop Mt.



Coenonympha tullia Kodiak: Pt. Woronzok Pk.



Boloria selene: Baxter Bog



Oeneis bore: Mt. Baldy



Colias nastes: Flattop Mt.

RECORDS:

Alaska:

Hesperiidae:

Erynnis persius borealis, Anchorage District, Chugach State Park, Eklutna Lake, 61.40981N 149.12854W, 20 May-3 Jun 2022, BM4

Nymphalidae:

Boloria freija, Anchorage District, Chugach State Park, Flattop Mountain, 61.10299N 149.68182W, 21 May-4 Jun 2022, BM4

Boloria selene, Anchorage District, Baxter Bog Park, Anchorage, 61.18489N 149.75657W, 23 Jun-14 Jul 2022, BM4

Coenonympha tullia kodiak, Anchorage District, Point Woronzof Park, 61.20097N 150.02126W, 16-28 Jun 2022, BM4

Oeneis bore, Anchorage District, Mt. Baldy, Eagle River, 61.33604N 149.48962W, 24 Jun 2022, BM4

Papilionidae:

Parnassius phoebus apricatus, Anchorage District, Chugach State Park, Flattop Mountain, 61.10299N 149.68182W, 2 Jul 2022, BM4

Pieridae:

Colias nastes aliaska, Anchorage District, Chugach State Park, Flattop Mountain, 61.10299N 149.68182W, 2-4 Jul 2022, BM4

Zone 2: Pacific Northwest: British Columbia, Idaho, Oregon, Washington

Coordinator: Jon H. Shepard

Contributors: Christie Caldwell (CC2), Chris Carvalho (CJC), Nancy & Dave Ewer (NDE), Rand Rudland (RR1)

No Zone report.

RECORDS:

British Columbia:

Nymphalidae:

Vanessa annabella, Skeena-Queen Charlotte Region, Haida Gwaii, ca. Tlell, 9 Sep 2021, RR1

Idaho:

Hesperiidae:

Erynnis icelus, Idaho Co, Nez-Perce Clearwater Forest, Hwy 122 ca. Mocus Creek drainage, 46.457281N 115.059828W, 3 Jul 2022, NDE

Nymphalidae:

Limenitis lorquini, Idaho Co, Nez-Perce Clearwater Forest, Hwy 122 ca. Mocus Creek drainage, 46.457281N 115.059828W, 3 Jul 2022, NDE

Papilionidae:

Pterourus eurymedon, Idaho Co, Nez-Perce Clearwater Forest, Hwy 122 ca. Mocus Creek drainage, 46.457281N 115.059828W, 3 Jul 2022, NDE

Pterourus rutulus, Idaho Co, Nez-Perce Clearwater Forest, Hwy 122 ca. Mocus Creek drainage, 46.457281N 115.059828W, 3 Jul 2022, NDE

Oregon:

Nymphalidae:

Adelpha californica, Hood River Co, Green Point Rd., milepost 5, 45.59793N 121.71791W, 20-21 Aug 2022, CJC, 708m, BAMONA records 1340141 & 1340729

Washington:

Erebidae:

Lophocampa roseata, King Co, Vashon Island, 9 Oct 2022, CC2, larvae on *Pseudotsuga menziesii*

Zone 3: Southwest/Hawaii: Arizona, California, Nevada, and Hawaii

Coordinators: Ken Davenport and Kelly Richers

Contributors: Brett Badeaux (BB7), BAMONA submission (BAM), David Bartholomew (DB1), Cheryl Bellin (CB1), James Brock (JPB), Lori Conrad (LC), Doug Danforth (DD4), Doug Danforth, Richard Bailowitz & Tom Deecken (DDX), Ken Davenport (KD), P. DeGennero (PDG), Al DeMartini (ADM), Nancy & David Ewer (NDE), Glenn Fine (GF1), Josiah Gilbert (JG1), David Goodward (DG2), Robert Gorman (RG4), Matthew Grube (MG3), Fred Heath (FH), Tom Horton (TH1), iNaturalist submission (IN), Ken Kertell (KK), Mary Klinkel (MK2), Chris Leslie (CL2), Nick Lethaby (NL), Al Ludke (AL1), Mary Maki (MM4), Patricia McCollum (PM3), Ralph Moore (RM6), Seth Mueller (SM6), Hugh Ranson (HR1), Kilian Roeber (KR), Rob Santry (RS3), Mary Stanek (MS5), Todd Stout (TLS), Jeanne Tinsman (JT5), Mark Walker (MW), Alan Wight (AW3), Ken Wilson (KW), Jim Wiseman (JW3), Joseph Zarki (JZ)

ARIZONA: It was a rather dry spring and butterfly flights and diversity were below normal but rainfall did improve with summer rains. Influx species from Mexico were not as strong as they were in 2021 when *Ascia monuste* had a monumental year in the state. This year saw several *Chiodes zilpa* in the Tucson area and 5 new COUNTY records. Butterfly Counts had an impressive number of species though but the numbers of individuals of many species were very small.

CALIFORNIA: The state started the 2021-22 winter season with good rainfall, but the February-April period was one of the 3 driest on record and butterfly activity south of Shasta County may was affected by one of the driest years on record. Butterfly diversity was poor and many species in the deserts and drier mountain ranges were either lacking or appearing in very low numbers. However, some of the deserts (eastern Mojave and the Anza Borrego Deserts) had welcome summer rains as portions of the southern Sierra Nevada and the Tehachapi Mountains did which made it possible for rare strays from Arizona and Mexico to appear late in the season. Notably *Libytheana carinenta* appeared in good numbers in the eastern Mojave Desert, the Anza Borrego Desert and in the hundreds even on the desert side of the Tehachapi Mountains. Two recent additions to Southern California and another not seen in the state for many years made appearances: *Chiothion georgina*, *Thorybes dorantes* and *Anthanassa texana*. In addition, *Dione vanillae* continues to extend its range northward into 2 new counties. There were 6 new county records.

In terms of migrants, Monarchs (*Danaus plexippus*) were notably more abundant during the season and Painted Ladies (*Vanessa cardui*) were scarce during the spring migration but abundant during the fall. Painted Ladies now overwinter in much of the state so may explain why fewer are appearing going north in the spring. The lack of spring rainfall seems to have very adversely affected *Plebulina emigdionis* colony sites with many plants being used by this species dying off. Hopefully, with strong rains in November and December 2022 and into 2023, we will see a recovery of the plants and the butterfly.

NEVADA: Dry conditions affected much of the state, but Clark County had some notable summer and fall rains allowing late season flights of desert and influx species from Arizona. Nevada is not a well-known state outside of Clark County and not many reports for this state are received. There was only one new COUNTY record.

RECORDS:

Arizona:

Hesperiidae:

Adopaeoides prittwitzii, Santa Cruz Co., Caleno Cienega, 16 Sep 2022, KK, 30 individuals seen

Agathymus baueri freemani, Mohave Co., Hualapai Mts, mid elevations in rocky streambeds, 22-23 Sep 2022, KD, common in canyons of mud, rocks and little vegetation

Amblyscirtes tolteca prenda, Santa Cruz Co., Sycamore Canyon, 14 Aug 2022, PDG, unusually common

Atrytonopsis cestus, Santa Cruz Co., Pena Blanca Canyon, 28 Aug 2022, PDG, unusually common

Atrytonopsis cestus, Santa Cruz Co., Sycamore Canyon, 14 Aug 2022, PDG, unusually common, rarely seen in numbers

Chiodes albofasciatus, Santa Cruz Co., Harshaw, 25 Jul 2022, PDG

Chiodes albofasciatus, Santa Cruz Co., Pajarito Mts., Sycamore Canyon, 2 Sep 2022, KK, 4 individuals observed
Chiodes albofasciatus, Pinal Co., Peppersauce Canyon, Santa Catalina Mts., 4 Jul 2022, PDG, rare in this county
Chiodes albofasciatus, Santa Cruz Co., Ruby Rd. W of Arivaca, 29 Aug 2022, TH1, little seen in state
Chiodes zilpa, Pima Co., Arizona Sonoran Desert Museum near Tucson, 8 Oct 2022, PDG, very rare in state
Chiodes zilpa, Pima Co., Arizona Sonoran Desert Museum near Tucson, 9 Oct 2022, KK, very rare in state
Chiodes zilpa, Pima Co., Pima Canyon, 15-22 Oct 2022, PDG, 4-5 seen on latter date
Chiodes zilpa, Pima Co., Sabino Canyon, Santa Catalina Mts., 13-14 Oct 2022, KK
Chiodes zilpa, Pima Co., Sabino Canyon, Santa Catalina Mts., 12 Nov 2022, FH, not seen every year, more this year
Chiodes zilpa, Pima Co., Sabino Canyon, Rattlesnake Wash between Tram Rd. & Sabino Creek, 12 Oct 2022, FH, multiple sightings
Chiodes zilpa, Pima Co., Tucson (in yard) near Sabino Canyon, 10 Oct-2 Dec 2022, JPB, extended observations of rare species, late for state
Chiothion georgina, Pima Co., Rincon Mts., 31 Jan 2022, IN, submitted by 'roomthilly'
Chiothion georgina, Pima Co., Sabino Canyon, Santa Catalina Mts., 4 Jan 2022, FH, early record
Cogia hippalus, **Mohave Co.**, Oatman Hwy (old Rt. 66) MP 27, 2 mi N of Oatman, 21 Sep 2022, KD, 2 individuals collected from same sweetbush, others seen
Copaeodes minima, Pima Co., Arivaca Cienega, 25 Sep 2022, KK
Heliopetes domicella, Pima Co., Pima Canyon, 16 Oct 2022, PDG
Heliopetes ericetorum, **Santa Cruz Co.**, Pena Blanca Lake, 2 Oct 2022, PDG
Heliopetes ericetorum, Pinal Co., Peppersauce Canyon, Santa Catalina Mts., 4 Jul 2022, PDG, several observed, usually scarce in this county
Heliopetes ericetorum, Pinal Co., Santa Catalina Mts., Incinerator Ridge, 8100', 23 Sep 2022, KK, rare in county, 3 observed
Hesperia woodgatei, Mohave Co., Hualapai Mtn., park on hilltop, 22 Sep 2022, KD, several perching on boulders
Lerema accius, **Maricopa Co.**, Hassayampa River Preserve near Wickenburg, 10 Sep 2022, TH1
Lerema accius, Pima Co., Sabino Canyon, Santa Catalina Mts., 22 Oct 2022, PDG, unusual for this mountain range and this far north
Megathymus ursus ursus, Pinal Co., Peppersauce Canyon, Santa Catalina Mts., 4 Jul 2022, PDG
Polites carus, Santa Cruz Co., Rd to California Gulch, 22 Aug 2022, KK
Polygonus leo arizonensis, Santa Cruz Co., Patagonia, 10 Sep 2022, PDG
Polygonus leo arizonensis, Santa Cruz Co., Sycamore Canyon, 14 Aug 2022, PDG
Systasea zampa, Pima Co., Estes Canyon Trail, Organ Pipe NM, 22 Feb 2022, NDE
Thorybes dorantes dorantes, Santa Cruz Co., Pena Blanca Canyon, 4 Oct 2022, PDG, 78 individuals counted

Lycaenidae:

Arawacus jada, Pima Co., Canoa Ranch, 7 May 2022, PDG, rare in state
Atlides halesus corcorani, Pima Co., Estes Canyon Trail, Organ Pipe NM, 22 Feb 2022, NDE
Callophrys xami, Cochise Co., Chiricahua Mts., Cave Creek off FS242A, 11 Mar 2022, CB
Callophrys xami, Pinal Co., Queen Creek near Superior, 26 Aug 2022, KK, 6 individuals seen
Callophrys xami, Pima Co., Santa Catalina Mts., Molina Basin, 28 Aug 2022, KK
Erora quaderna, Cochise Co., Huachuca Mts., Garden Canyon, 7 Mar 2022, CB
Erora quaderna, Pima Co., Santa Catalina Mts. Near Tucson, 26 Mar 2022, PDG
Strymon istapa clenchi, **Yavapai Co.**, 5 mi W of Hwy 93, Wickenburg Rd., 25 Oct 2022, TH1
Strymon istapa clenchi, Santa Cruz Co., Pena Blanca Canyon, 2 Oct 2022, PDG

Nymphalidae:

Adelpha eulalia, Santa Cruz Co., Montosa Canyon, Santa Rita Mts., 17 Jan 2022, MK2, early for state
Anaea aidea, Cochise Co., Chiricahua Mts., Herb Martyr Camp, FS42A, 13 Mar 2022, CB
Anaea aidea, Cochise Co., Chiricahua Mts., Sky Islands Trail, Cochise Stronghold Camp Sunsites, 14 Mar 2022, CB
Anaea aidea, Santa Cruz Co., Pena Blanca Canyon, 2 Oct 2022, PDG
Chlosyne californica, Mohave Co., Black Mountains from Oatman to Cool Springs, 21-23 Sep 2022, KD, population outbreak, hundreds in washes
Chlosyne californica, Coconino Co., Hualapai Reservation, seen on hilltop, 31 Aug 2022, KR, few records for county
Chlosyne cyneas, Pima Co., Santa Catalina Mts. near Tucson, 26 Mar 2022, PDG
Chlosyne cyneas, Pima Co., Santa Catalina Mts., Incinerator Ridge, 8100', 6-13 Jun 2022, KK, uncommon
Euptoieta hegesia, Santa Cruz Co., Pena Blanca Canyon, 2 Oct 2022, PDG
Mestra amydone, Cochise Co., Bisbee, 20 Oct 2022, DD4
Mestra amydone, Santa Cruz Co., California Gulch, 22 Oct 2022, DDX
Microtia elva, Santa Cruz Co., Pajarito Mts., Sycamore Canyon, 15 Sep 2022, KK, 1 stray
Microtia elva, Santa Cruz Co., Pena Blanca Canyon, 2 Oct 2022, PDG, few strays seen this season
Microtia elva, Santa Cruz Co., Temporal Gulch, 1 Oct 2022, KK, 1 stray
Phyciodes mylitta arizonensis, Mohave Co., Deer Creek, below Hualapai Mtn. Park, 22 Sep 2022, KD, only 3rd county record, 1st since 1988
Polygonia interrogationis, Santa Cruz Co., Madera Canyon, Santa Rita Mts., 14 Feb 2022, MK2, late for state, 3 individuals

Papilionidae:

Battus philenor philenor, Mohave Co., Black Mts, old Rt. 66 MP 27, 21 Sep 2022, KD, uncommon in area, fresh female
Heracles rumiko, Santa Cruz Co., Sycamore Canyon, 30 Aug 2022, TH1, mud puddling in numbers
Papilio polyxenes rudkini, Mohave Co., Black Mts, old Rt. 66 MP 27, 21-23 Sep 2022, KD, of 8 individuals 5 were black form 'clarki'

Pieridae:

Anthocharis cethura pima, Pima Co., hilltopping near Bigelow Peak, Santa Catalina Mts., 8000', 26 Mar 2022, PDG, possible high elevational record
Kricogonia lyside, Pima Co., Green Valley, 2-26 Dec 2022, MK2
Kricogonia lyside, **Mohave Co.**, Hualapai Mtn. Park on hilltop, 22 Sep 2022, KD, good sighting
Pyrisitia nise nelphe, Pima Co., Desert Meadows Park, Green Valley, 11 Dec 2022, PDG

Pyrisitia nise nelphe, Cochise Co., Rucker Canyon, Chiricahua Mts., 16 Apr 2022, PDG
Pyrisitia nise nelphe, Pima Co., Sonoran Desert Museum near Tucson, 7 Jan 2022, MK2, early in season
Pyrisitia proterpia, Santa Cruz Co., Pena Blanca Canyon, 28 Feb 2022, FH, unusual in spring
Pyrisitia proterpia, Pima Co., Tucson (in yard) near Sabino Canyon, 1 Jan-3 Mar 2022, JPB, unusual in winter season

Riodinidae:

Apodemia cleis, Pima Co., Madera Canyon, Santa Rita Mts., 21 Jan 2022, IN, early for state, Mark Otnes
Apodemia cleis, Pima Co., Madera Canyon, Santa Rita Mts., 26 Mar 2022, PDG
Apodemia mejicanus mejicanus, Santa Cruz Co., Montosa Canyon, Santa Rita Mts., 17 Jan 2022, MK2, early for state
Apodemia mejicanus deserti, Pima Co., Organ Pipe Cactus NM, Alamo Canyon, 26 Oct 2022, KK, 26 individuals seen
Apodemia palmeri palmeri, Pima Co., Madera Canyon, Proctor Rd., Santa Rita Mts., 29 Nov 2021, MK2, 3 individuals, late for state
Calephelis arizonensis, Cochise Co., Chiricahua Mts., Cave Creek off FS242A, 12 Mar 2022, CB

California:

Adelidae:

Adela flammeusella, **Amador Co.**, Paine Rd. NE of Lone, 734', ridgetop, 31 Mar 2022, AL1, 38.39426N -120.88507W, vic *Castilleja attenuata*, *Gilia tricolor*, *Eschscholtzia lobbii*, *Micropus*, *Eriodictyon*, sparse *Pinus sabiniana* wldnd, rocky mafic soil
Adela punctiferella, **Tuolumne Co.**, Red Hills, Sims Rd, 1255', dry gentle WSW slope, 7 Apr 2022, AL1, 37.83445N -120.47336W, in vicinity of and on *Gilia tricolor* among scattered *Ceanothus cuneatus*
Adela septentrionella, **Placer Co.**, Drum Powerhouse Rd. NE of Dutch Flat, 3509', very steep NE slope, 14 May 2022, AL1, 38.22817N -120.81479W, nectaring on *Nemophila heterophylla*, *Quercus wislizeni* wldnd incl *Pseudotsuga menziesii*, *Quercus kelloggii*, *Umbellularia californica*
Adela septentrionella, **Nevada Co.**, Grouse Ridge, 7237', moderate to steep WSW-ESE rocky slope, 14-22 Jun 2022, AL1, 39.38167N -120.62154W, ex *Holodiscus discolor* sparse pine woodland, D. Wagner discovered pop. of same in Nevada Co, Floriston approx. 2 wks earlier

Cossidae:

Givira marga, Yolo Co., Davis, 8 Apr 2022, JDB

Crambidae:

Stegea saluatalis, Yolo Co., Davis, 24 May 2022, JDB

Erebidae:

Idia lubricalis, **Yolo Co.**, Davis, 12 Jun 2022, JDB
Leptarctia californiae, Siskiyou Co., Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1

Gelechiidae:

Chionodes acrina, **Yolo Co.**, Davis, 26 Jun 2022, JDB

Geometridae:

Eupithecia gilvipennata, **Yolo Co.**, Davis, 16 Feb 2022, JDB
Eupithecia scabrogata, Yolo Co., Davis, 15 Feb 2007, JDB

Hesperiidae:

Agathymus alliae paiute, San Bernardino Co., lower slope Clark Mtn. on Clark Mt. Rd., 22 Sep 2022, JW3, few records for this species in the state
Agathymus stephensi, San Diego Co., Anza-Borrego State Park, 1 Nov 2022, BB7
Carterocephalus skada skada, Siskiyou Co., Klamath Mts. mid-elevation meadows on trail to Boulder Creek, 28 Jun-1 Jul 2022, JG1
Chiothion georgina, Riverside Co., Joshua Tree NP near Wood Spring, 26 Oct 2014, JZ, also Marilyn Lutz and Tom Haworth, a species recently added to the STATE list
Chiothion georgina, Riverside Co., Joshua Tree NP near Hidden Valley Picnic area, 4176', 14 Oct 2022, JZ, 3rd state record
Erynnis afranius, San Diego Co., Pala, 25 Oct 2018, BB7, late for state
Erynnis funeralis, Fresno Co., Coalinga Mineral Springs, Coast Ranges, 6 Jun 2022, KD, rare and elusive in county to date
Erynnis icelus, Siskiyou Co., Klamath Mts. trail to Boulder Peak, 28 Jun-1 Jul 2022, JG1
Erynnis pacuvius lilius, Tulare Co., Upper Alder Creek, Sherman Pass Rd., 6700', 8 Aug 2022, KD, late for this subspecies
Euphyes vestris vestris, Shasta Co., near Potosi, 1 Jul 2022, RS3, not well known locality, with KD
Heliopetes ericetorum, Sonoma Co., Santa Rosa, 21 Apr 2022, AW3, rarely seen in county
Hesperia columbia, San Diego Co., Mt. Laguna, Laguna Mts., 11 Jun 2022, KW
Hesperia nevada sierra, Inyo Co., SF Bishop Creek, Fisherman's Trail, 9000', 22 May 2022, KD
Hesperopsis graciellae, Imperial Co., canal near Ramer Lake where *Atriplex lentiformis* grows, 21 Sep 2022, BB7
Lerodea eufala eufala, Orange Co., Craig Park, Fullerton, 23 Dec 2022, BB7, late for state
Panoquina errans, Orange Co., South San Clemente near beach and railroad tracks, 14 Nov 2022, RG4
Polites sabuleti channelensis, Santa Barbara Co., San Miguel Island, 18 Sep 2022, MM4, late for this subspecies
Polygonus leo arizonensis, Riverside Co., N side Tamarisk Lake, Desert Center, 7 Aug 2022, DG2
Polygonus leo arizonensis, Orange Co., San Clemente, 5 Sep 2022, RG4
Systasea zampa, Riverside Co., Martinez Canyon, 19 Feb 2022, MW
Systasea zampa, San Diego Co., near Oriflamme Canyon, 1 Nov 2022, BB7
Thorybes dorantes, San Diego Co., Anza-Borrego State Park, canyon near Middle Spring, 12 Oct 2022, BB7, 4th state record, subspecies undetermined
Thorybes dorantes calafia, San Diego Co., Fallbrook, Santa Margarita Trail, 21 May 2020, BB7
Thorybes nevada aemelia, Siskiyou Co., Eddy Mts. near stream, 5850', 31 May 2022, GF1, early for state

Thorybes nevada nevada, Tulare Co., N of Black Rock Ranger Station in Smith Meadow, 16 Jun 2022, KD

Lycaenidae:

Callophrys dumetorum dumetorum, Mariposa Co., Merced River Recreational Area, 28 Nov 2021, IN, reported by Beth Pratt

Callophrys mossii, Siskiyou Co., Klamath Mts., trail to Boulder Peak, 28 Jun-1 Jul 2022, JG1

Callophrys spinetorum, Siskiyou Co., Klamath Mts., trail to Boulder Peak, 28 Jun-1 Jul 2022, JG1

Callophrys sheridanii lemberti, Siskiyou Co., Klamath Mts., trail to Boulder Peak, 28 Jun 2022, JG1

Cupido comyntas sissona, Fresno Co., Coalinga Mineral Springs, Coast Ranges, 6 Jun 2022, KD, found at a large seep at the campground, unexpected on the W side of the San Joaquin Valley

Echinargus isola, San Diego Co., Anza-Borrego State Park, Rainbow Canyon, 11 Jan 2022, BB7

Euphilotes bernardino inyomontana, Inyo Co., White Mtns., Silver Creek stream crossings, 23 May 2022, KD, common, usually very scarce in this range

Euphilotes enoptes smithi, Monterey Co., Garrapata State Park south of Carmel, 4 Jun 2022, RM6, early for this species

Euphilotes enoptes arenacola, Monterey Co., Marina Sand Dunes, Marina, 1 Jun 2022, KD, observed by Thor Anderson reported by Richard Arnold., early for state

Leptotes marina, Fresno Co., Coalinga Mineral Springs, Coast Ranges, 6 Jun 2022, KD, 2nd and 3rd county records

Lycaena cupreus lapidicola, Mono Co., McLeod Lake, Mammoth Lakes area, 25 Aug 2022, HR1

Lycaena cupreus lapidicola, Tulare Co., N of Black Rock Ranger Station in Smith Meadow, 16 Jun-15 Jul 2022, KD

Ministryman leda, San Diego Co., Anza-Borrego State Park, 16 Jan 2022, RG4, early for state

Philotiella speciosa speciosa, Mono Co., White Mts., Coldwater Canyon, 23 May 2022, KD, 2nd county record, 1 female despite drought conditions

Plebejus melissa paradoxa, San Bernardino Co., Lake Silverwood, west edge of lake, 2 Jul 2022, MG3

Satyrium auretorum fumosum, Ventura Co., Malibu State Park, 30 May 2022, CL2, photo, one of least seen CA butterflies, not seen in years

Satyrium dryope dryope, Fresno Co., Coalinga Mineral Springs, Coast Ranges, 6 Jun 2022, KD

Tharsalea mariposa mariposa, Mono/Tuolumne Co., Mono Pass to Spillway Lake, 1 Sep 2022, HR1

Tharsalea xanthoides xanthoides, Fresno Co., Coalinga Mineral Springs, Coast Ranges, 6 Jun 2022, KD

Noctuidae:

Alypia ridingsii, Siskiyou Co., Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1

Androloma maccullochii, Siskiyou Co., Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1

Annaphila diva, **Siskiyou Co.**, Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1

Annaphila miora, Siskiyou Co., Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1, tentative ID

Euxoa satis, **Yolo Co.**, Davis, 10 Jun 2022, JDB

Euxoa tocoyae, **Yolo Co.**, Davis, 4 Apr 2022, JDB

Heliolonche modicella, **Amador Co.**, Paine Rd. NE of Lone, 734', moderate W slope, 31 Mar 2022, AL1, 38.39420N -120.88557W, sparse
Pinus sabiniana wldnd, rocky mafic soil

Heliolithes oregonica, **Siskiyou Co.**, Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1

Heliolithodes diminutiva, Siskiyou Co., Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1

Scotogramma deffessa, Yolo Co., Davis, 17 Mar 2022, JDB

Nymphalidae:

Anthanassa texana texana, **Riverside Co.**, Joshua Tree NP, south boundary near Chiriacho Summit, 21 Oct 2022, JZ, with Cathy Wiley & Tom Haworth

Argynnis adiate adiate, Santa Clara Co., Mt. Madonna, Santa Clara County Park, 21 May 2022, BAM, reported by Selwyn Quan, early for state

Argynnis adiate adiate, San Mateo Co., Upper Stevens County Park, 26 May 2022, DB1

Argynnis callippe shasta, Siskiyou Co., McCloud Reservoir Power Plant and surrounding mts., 27 Jun-1 Jul 2022, KD, accompanied by GF1 on 27 June

Argynnis callippe shasta, Shasta Co., McCloud River Bridge Campground, 26 Jun 2022, KD

Argynnis irene cottlei, Shasta Co., Pondsosa Meadows area off Hwy. 89, 1-2 Jul 2022, KD, accompanied by Rob Santry on 1 Jul

Argynnis zerene malcolmi, **Nevada Co.**, Little Truckee River, 4 Oct 2022, BAM, late for state, submitted by Lori Bellis

Chlosyne californica, San Bernardino Co., Big Bear Lake, San Bernardino Mts., 26 Sep 2022, MSS

Chlosyne hoffmanni hoffmanni, Shasta Co., Pondsosa Meadows area off Hwy. 89, 1 Jul 2022, RS3, accompanied by KD

Chlosyne leanira wrighti, San Diego Co., Anza-Borrego State Park, Culp Valley, 19 Oct 2022, BB7, late for state

Danaus plexippus, Tulare Co., Camp Eshom area along ridgelines, 11 Jul 2022, KD, late for state, the most common butterfly

Danaus plexippus, Tulare Co., Limestone Camp and up Sherman Pass Rd. to 8000', 8-23 Aug 2022, KD, very common along Kern River and spring at Limestone

Danaus plexippus, Kern Co., Weldon, 1 Nov 2022, KD, late for state, the most common butterfly, back to being common after 3 low years

Dione incarnata incarnata, **Lake Co.**, Clear Lake, 5 Sep 2022, BAM, submitted by Bob Mingon, several observed, photo

Dione incarnata incarnata, **Glenn Co.**, off Interstate 5, Willow, 31 May 2022, BAM, submitted by Sharon Barker

Euphydryas chalcedona dwinellei, Siskiyou Co., McCloud Reservoir Power Plant and surrounding mts., 27 Jun-2 Jul 2022, KD, accompanied by GF1 on 27 June

Euphydryas chalcedona dwinellei, Shasta Co., Pondsosa Meadows area off Hwy. 89, 1-2 Jul 2022, RS3, accompanied by KD

Euptoieta claudia, Kern Co., Tehachapi Mts., 4-5 mi E of Oak Creek Rd. off Willow Springs Rd., 12 Oct 2022, KD

Euptoieta claudia, San Diego Co., Anza-Borrego State Park, Grapevine Canyon, 4 Oct 2022, BB7

Euptoieta claudia, Santa Barbara Co., Atascadero Canyon, Goleta, 5 Sep 2022, HR1, 2nd county record

Euptoieta claudia, San Bernardino Co., Caruthers Canyon, New York Mts., 7 Oct 2022, ADM, over 100 seen

Euptoieta claudia, San Diego Co., Pala, 11 Oct 2022, BB7

Euptoieta claudia, San Bernardino Co., Timoteo Nature Sanctuary, Redlands, 9 Oct 2022, MG3
Heliconius charithonius, **Ventura Co.**, Conejo Valley Botanical Garden, Thousand Oaks, 26 Nov 2022, MM4, photo of very rare stray
Libytheana carinenta larvata, San Diego Co., Anza-Borrego State Park, many localities, 16 Jan 2022, RG4
Libytheana carinenta larvata, Kern Co., Caliente Canyon 8-10 mi E of Caliente Tehachapi Mts., 15 Oct 2022, KD, 4 seen, one collected,
 Hackberry trees (the host) grow in this canyon
Libytheana carinenta larvata, San Bernardino Co., Caruthers Canyon, New York Mts., 7 Oct 2022, ADM, very common
Libytheana carinenta larvata, Riverside Co., Martinez Canyon, 10 Feb 2022, MW
Libytheana carinenta larvata, Riverside Co., North Yucaipa, 9 Oct 2022, SM4
Libytheana carinenta larvata, Kern Co., Sierra Nevada Mts. at Weldon, Paul's Place, 1 Nov 2022, KD
Libytheana carinenta larvata, Kern Co., Tehachapi Mts., Willow Springs Rd. 4-5 mi E of Oak Creek Rd. jct, 12-28 Oct 2022, KD, very
 common, up to 80 in 90 minutes on 17 Oct; most common butterfly on the 28th
Libytheana carinenta larvata, **Ventura Co.**, Ventura, 14 Jan 2022, CL2
Phyciodes mylitta, Santa Barbara Co., Santa Rosa Island, 18 Feb 2022, NL, 2nd record for Santa Rosa Island
Polygonia areas, Siskiyou Co., Siskiyou Mts., NE Mt. Eddy, 4400', 8 Apr 2022, GF1
Vanessa cardui, Kern Co., Tehachapi Mts. off Willow Springs Rd., 4-5 mi E of Oak Creek Rd., 13 Aug-28 Oct 2022, KD, fall migration south in
 good numbers

Papilionidae:

Battus philenor philenor, Riverside Co., Desert Center, Tamarisk Lake, 11 Aug 2022, DG2
Battus philenor philenor, Imperial Co., in between Niland and Estelle, 21 Sep 2022, BB7
Heraclides rumiko, Ventura Co., Oxnard, 5 Apr & 29 Oct 2022, PM1
Heraclides rumiko, Los Angeles Co., Sylmar, 8 Apr 2022, BAM, submission by Lorrie DeCoursey
Parnassius clodius, Siskiyou Co., McCloud Reservoir Power Plant and surrounding mts., 27 Jun-2 Jul 2022, KD, accompanied by GF1 on 27
 Jun
Parnassius clodius claudianus, Siskiyou Co., Lower elevations, trail to Boulder Creek, 28 Jun-1 Jul 2022, JG1
Parnassius smintheus sternitzkyi, Siskiyou Co., Klamath Mts., trail to Boulder Peak, 28 Jun-1 Jul 2022, JG1, found at lower slopes
Pterourus eurymedon, San Diego Co., Anza-Borrego State Park, Culp Valley, 19 Oct 2022, BB7, late for state
Pterourus eurymedon, San Diego Co., Anza-Borrego State Park, Box Canyon, 23 Oct 2022, KW, late for state

Pieridae:

Abaeis mexicana, San Diego Co., Anza-Borrego State Park, Blair Valley, 6 Oct 2022, BB7
Abaeis mexicana, Riverside Co., Desert Center, 16 Oct 2022, DG2, a stray to the state in recent years
Abaeis mexicana, San Bernardino Co., North Yucaipa, 9 Oct 2022, SM4, a stray to the state in recent years
Abaeis mexicana, San Diego Co., Santa Margarita near Fallbrook, 4 Oct 2022, BB7, a stray to the state in recent years
Abaeis mexicana, Riverside Co., Temecula Creek, 24 Oct 2022, BB7, a stray to the state in recent years
Abaeis mexicana, San Bernardino Co., ¼ mi N Mtn. Pass Mine, Clark Mtn. area, 21 Sep 2022, JW3, a stray to the state in recent years
Anthocharis cethura X morrisoni, Kern Co., Ridge S of Kernville, E side of Lake Isabella E of Wofford Heights, 14 Mar 2022, KD, not
 extirpated by recent wildfires
Anthocharis lanceolata, Siskiyou Co., Klamath Mts. trail to Boulder Peak, 28 Jun-1 Jul 2022, JG1
Colias behrii, Inyo Co., Chickenfoot Lake, 10,700', 7 Jul 1987, BAM, submission by 'papilio60'
Colias behrii, Inyo Co., Lakes Basin, 10 Aug 2022, BAM, submission by P. Dumwiddie
Colias harfordii, Riverside Co., San Jacinto Mts. E of Lake Hemet to Keen Ridge, 25 May 2022, BB7, stray to state in recent years
Nathalis iole, Santa Barbara Co., Jalama Beach, 20 Oct 2022, NL
Phoebis agarithe fisheri, **Ventura Co.**, Oxnard, 30 Jun-25 Oct 2022, PM1
Phoebis agarithe fisheri, Riverside Co., Palm Springs, 4 Dec 2022, SM4
Pontia beckerii, San Bernardino Co., Big Morongo Canyon Preserve, 8 Jan 2022, IN, contributor "cjumes", early for state

Pyralidae:

Cadra cautella, **Yolo Co.**, Davis, 28 Feb 2022, JDB
Dioryctria abietivorella, **Yolo Co.**, Davis, 8 Sep 2012, JDB
Ephestia elutella, **Yolo Co.**, Davis, 25 Jun 2020, JDB

Riodinidae:

Calephelis nemesis dammersi, San Diego Co., Santa Margarita River Trail, Fallbrook, 19-21 Dec 2022, BB7, late for state

Sphingidae:

Hemaris thetis, **Siskiyou Co.**, Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1
Proserpinus clarkiae, Siskiyou Co., Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1
Smerinthus ophthalmica, **Siskiyou Co.**, Boulder Peak and surroundings, 3000' to 8300', 28 Jun-1 Jul 2022, JG1

Tortricidae:

Pseudexentera habrosana, **Yolo Co.**, Davis, 19 Feb 2022, JDB

Nevada:

Hesperiidae:

Hesperia uncas grandiosa, Nye Co., Big Smoky Valley, 9 Jul 2022, MW

Lycaenidae:

Callophrys affinis, White Pine Co., Great Basin NP, 26 May 2022, BAM, photo by 'hasfits'
Satyrrium titus, Eureka Co., near Alpha Peak, 9000', 21 Aug 2022, MM4
Satyrrium titus, Lander Co., Toiyabe Range, upper Kingston Canyon near Big Creek Peak, 10 Jul 2022, MK2

Satyrium titus, Lander Co., Toiyabe Range, upper Kingston Canyon, 9190' to 9350', 10 Jul 2022, MW

Nymphalidae:

Argynnis egleis toiyable, Lander Co., Toiyabe Range, upper Kingston Canyon near Big Creek Peak, 27 Oct 2015, TH1, unusually common

Argynnis leto leto, **Humboldt Co.**, 4.4 mi W SR 140 on Alta Creek Rd. at seep, 5400', 12 Jul 2022, BAM, photo by Ed Schmitt

Cercyonis oetus alkalorum, Nye Co., Big Smoky Valley, 9 Jul 2022, MW

Euphydryas Editha lehmani, Lander Co., Toiyabe Range, upper Kingston Canyon near Big Creek Peak, 10 Jul 2022, MW

Oeneis ridingsii, Nye Co., Big Smoky Valley, 9 Jul 2022, MW

Papilionidae:

Battus philenor philenor, Clark Co., Desert NWR near Las Vegas, 18 Sep 2022, JTS

Battus philenor philenor, Clark Co., Mopa Valley Library sidewalk, Overton, 30 Sep 2022, TLS

Battus philenor philenor, Clark Co., Spring Mts. State Park, 23 Sep 2022, JTS

Papilio indra nevadensis, Lander Co., Toiyabe Range, upper Kingston Canyon near Big Creek Peak, 10 Jul 2022, MW, observed

Papilio machaon bairdii, Lander Co., Toiyabe Range, upper Kingston Canyon near Big Creek Peak, 10 Jul 2022, MW, observed

Pieridae:

Colias alexandra edwardsi, Eureka Co., Ridgeline below Diamond Peak, 21 Aug 2022, MM4

Colias alexandra edwardsi, Lander Co., Toiyabe Range, Kingston Canyon Rd., 9 Jul 2022, MW, accompanied by Joe Eggy

Zone 4: Rocky Mountains; Alberta, Colorado, Montana, New Mexico, Utah, Wyoming

Coordinator: Charles E. Harp

Contributors: Steven J. Cary (SJC), Nancy & David Ewer (NDE), Chuck E. Harp (CEH), Michael S. Fisher (MSF), Marian Lyman Kirst (MLK), Robert A. Martin (RAM), Ronald J. Parry (RJP), Harry Pavulaan (HXP), Harry & Sandra Pavulaan (HSP), Kilian Roever (KR), Matt Seidensticker (MAT)

Details from each State were submitted for the past three seasons. There were 10 contributors to the 2022 Summary, coming from 10 listed contributors and an additional twenty-nine collectors and observers. Some contributors posted records for more than one state. This year's Summary for Zone 4 accounted for 34 county and 1 state record for butterflies and 124 county, 20 state, and one U.S. record for moths. It was a season that was marked by a mild winter and early wet Spring across the central and northern Plains persisting until October. Summer and Fall conditions yielded an extended flight and collecting period.

On a personal note, my apologies for missing submissions in the past two years. The number of new state and county records for this zone was tremendous through the Covid-19 years to the extent that all could not be listed. We were able to freely sample in new areas across the region with many remote localities void of public travel. New species were discovered in Utah and Montana and will be subjects to reporting in the coming summaries. There were many additional collecting records that will be noted in the historic files since they were not new to the counties or states. Additionally, many more records have been digitized in the public site scan-bugs.org and can be searched electronically.

ALBERTA: No report submitted

COLORADO: Colorado experienced a wet winter with heavy late snowpack that delayed many of the Spring flights. Cool temperatures persisted through the Spring. Summer temperatures across Colorado were normal but we remained dry and annual August rains were again later than normal. Mild temperatures in early Fall allowed a number of late season butterflies and moths to continue their flights into early-December.

Two contributors provided records from the 2022 season, including additional photographic and vouchered specimen data from a record five observers. Six new county records of butterflies were reported.

MONTANA: Three contributors submitted records for butterflies and moths this season, adding 70 county records and 20 new state records for moths from across the state. Further, *Protogygia alberta* was taken for the first time in the U.S. Bob Martin continued his documentation of moths from west-central Montana and sent vouchers for more new and interesting records. Nancy Ewer submitted photo documentation for additional Lepidoptera.

A new project was started in 2020 for the state and has grown exponentially over the past two years. Stemming

from efforts of new contributors Mat Seidensticker and Marian Kirst of the Northern Rockies Research and Education Services (NRRES), the team has started the Moths of Montana Project aiming to sample across the state and documenting moths in each of the 56 counties. With cooperation from the MPG Ranch of Missoula, the Gillette Museum of Arthropod Diversity at Colorado State University has started receiving moths to prepare and to document from across Montana. As of the end of the 2022 season, 46 counties have been sampled and nearly 30,000 moths have been added to the Gillette Museum's Montana Moth Project holdings. One new species has been discovered from these efforts and has been described and published, *Protogygia pryorensis*.

NEW MEXICO: Steve Cary reported that the state had recovering rains that lasted into Spring. Ron Parry continued to add valuable data for the southwestern part of the state. Six county records for butterflies were noted as well as a total of 54 new county records for moths.

Four contributors posted records for New Mexico. 15 additional observers aided in submissions this season.

UTAH: Kilian Roeber sent submissions to the Summary for 2021.

WYOMING: No report was submitted.

RECORDS:

Colorado:

Hesperiidae:

Ancyloxypha numitor, Boulder Co., East Boulder Rec. Center Pond, 11 Aug 2022, MSF, photo by Chris Friedman, confirmed by MSF, fresh male, possible 2nd flight at location

Heliopetes ericetorum, Mesa Co., W Grand Junction, vic. G Road & 25 Road, N of I-70, 25 Sep 2022, MSF, photo by Ralph Moore, confirmed by MSF, fresh male, first outside of W Unaweep Canyon in Mesa Co.

Hesperia ottoe, Gilpin Co., East Portal Moffat Tunnel, 9000 ft., 8 Jul 2022, MSF, Photo by Venice Kelly confirmed by MSF, male not too worn, unusual location

Polites sabuleti, Otero Co., Rocky Ford SWA, 14 May 2022, MSF, by D. Chartier BAMONA 1324448, photo confirmed by MSF

Lycaenidae:

Brephidium exilis, Arapahoe Co., Cherry Creek Dam SP, 17 Jul 2022, MSF, photo by "Cascade Colors", confirmed by MSF, fresh individual, BAMONA 1333348

Brephidium exilis, Boulder Co., 40.171482N 105.21515W, 19 Oct 2022, MSF, photo by Pam Piombino, confirmed by MSF, fresh, many sightings Sep-Oct by Chris Friedman

Brephidium exilis, Boulder Co., no locality stated, 2 Nov 2022, MSF, photo by Jan Chu, confirmed by MSF, late date north

Brephidium exilis, Denver Co., NE Denver on Oneida St. 3500 N, 12-16 Sep 2022, MSF, also earlier dates in summer observed by JMF

Euphilotes spaldingi spaldingi, Ouray Co., CRS @ jct. "Top of the Pines", SW of Ridgway, 19 Jul 2022, MSF, Photo by Paul Prappas confirmed by MSF, female on host buckwheat *E. racemosum*, BAMONA 1333851

Leptotes marina, Boulder Co., Sandstone Ranch, E of Longmont/Rough & Ready Ditch, 14-19 Oct 2022, MSF, photo by Chris Friedman, confirmed by MSF

Leptotes marina, Boulder Co., Conger Mine, Sherwood Transect, Switzerland Tr., 40.018710N 105.497107W, 8599 ft., 3-9 Oct 2022, MSF, photo by Venice Kelly, confirmed by MSF, saw 2 individuals, high elevation

Strymon melinus, Prowers Co., 2 mi E of Lamar, CR14, 3 Mar 2022, MSF, photo by Janeal Thompson, confirmed by MSF, possible early record

Nymphalidae:

Adelpha eulalia, El Paso Co., Bear Ck. Canyon/Regional Park, 28 Aug 2022, MSF, photo by D. Brudin, confirmed by MSF, fresh male, BAMONA 1341721

Adelpha eulalia, La Plata Co., W of Durango Rd., N of CR240 NE of Durango, 3 Sep 2020, MSF, photo by "4Flower", confirmed by MSF, fresh male, BAMONA 1342768

Argynnis coronis halcyon/snyderi, Ouray Co., CRS @ jct. "Top of the Pines", SW of Ridgway, 19 Jul 2022, MSF, Photo by Paul Prappas confirmed by MSF, BAMONA 1335933

Cercyonis pegala nephele, Douglas Co., Castlewood Canyon SP, 15 Aug 2022, MSF, photo by "Cascade Colors", confirmed by MSF, fresh male, BAMONA 1339463

Cylopsis pertepida, Mesa Co., W Unaweep Canyon, 15 Sep 2022, MSF, photo by Ralph Moore, confirmed by MSF, male in nice condition, late

Danaus gilippus thersippus, Boulder Co., Sandstone Ranch, E of Longmont, 18 Sep 2022, MSF, photo by Chris Friedman, confirmed by MSF, fresh male

Dione incarnata, Douglas Co., Highlands Ranch, mountain bike trails behind Mountain Vista HS, 11 Jun 2021, HSP, one individual immediately recognized in flight

Junonia coenia/grisea, Mesa Co., Colorado River, 0.25-0.5 mi from Steve's Loop T/H, Mack I-70 exit, 17 Oct 2022, MSF, photo by Ralph Moore, confirmed by MSF, fresh male, only reported sighting in W CO, none in E CO
Libytheana carinenta larvata, Mesa Co., W Unaweep Canyon, 5600 ft., 1 Jul 2022, MSF, photo by Ralph Moore, confirmed by MSF, looked like a fresh male, offspring from influx last August
Nymphalis californica timidar, Larimer Co., Bonner Pk., N of Laporte, 9 Apr 2022, MSF, photo by Scott Ellis, confirmed by MSF, BAMONA 1325030
Phyciodes phaon, Huefano Co., 37.593252N 105.113105W, 11 Aug 2021, MSF, photo by Pam Piombino on iNaturalist, confirmed by MSF,

Pieridae:

Phoebis agarithe agarithe, Jefferson Co., Red Rocks Park, 10 Jun 2021, HXP, observation with Sandra Pavulaan, one individual immediately recognized in flight
Phoebis sennae, Jefferson Co., Red Rocks Park, 10 Jun 2021, HXP, observation with Sandra Pavulaan, two or three identified flying north through Red Rocks Park

Montana:

Argyresthiidae:

Argyresthia flexilis, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 29 Jun 2022, RAM, photo

Blastobasidae:

Hypatopa hulstella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 22 Jul 2022, RAM, photo
Hypatopa titanella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 20 Jul 2022, RAM, photo

Bucculatricidae:

Bucculatrix polymniae, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 24 Aug 2022, RAM, photo

Choreutidae:

Caloreas montanae, Carbon Co., W Fork Rock Ck., Absaroka-Beartooth Wilderness, NE ¼ S24, T8S R17E, 18 Aug 2011, RAM, photo, **STATE RECORD**

Depressariidae:

Agonopterix conterminella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 12 Jun 2022, RAM, photo
Ethmia macneilli, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 7 Oct 2021, RAM, photo

Erebidae:

Caenurgina caerulea, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 9 Jul 2022, RAM, photo
Drasteria maculosa, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 22 Jul 2022, RAM, photo

Gelechiidae:

Aristotelia fungivorella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 14 Aug 2022, RAM, photo
Chionodes imber, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 2 Jul 2022, RAM, photo
Chionodes lector, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 11 Oct 2021, RAM, photo
Chionodes praeco, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 7 Jul 2022, RAM, photo
Chionodes terminimaculella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 6 Oct 2021, RAM, photo, ID based on BOLD photos
Gnorimoschema siskiyouense, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 21 Sep 2021, RAM, photo, ID based on BOLD photos
Helcystogramma badia, Lewis and Clark Co., East Helena, 414 ½ E Clark St., 46.589657N 111.915546W, 14 Jul 2012, RAM, photo
Recurvaria nanella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 15 Jul 2022, RAM, photo

Geometridae:

Ersephila grandipennis, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 9 Aug 2022, RAM, photo
Eupithecia castellata, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 29 Jun 2022, RAM, photo
Eupithecia vacillata, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 6 Aug 2022, RAM, photo
Snowia montanaria, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 29 Jul 2022, RAM, photo

Glyphipterigidae:

Glyphipterix hypenantia, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 5 Aug 2022, RAM, photo

Gracillariidae:

Caloptilia acerifoliella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 8 Apr 2022, RAM, photo
Caloptilia alnivorella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 23 Aug 2022, RAM, photo
Caloptilia invariabilis, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 19 Sep 2021, RAM, photo
Caloptilia negundella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 17 Aug 2022, RAM, photo
Caloptilia stigmatella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 18 Jun 2022, RAM, photo
Caloptilia umbratella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 23 Sep 2021, RAM, photo
Caloptilia vacciniella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 28-30 Jun 2022, RAM, photo
Leucospilapteryx venustella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 27 Jun 2022, RAM, photo
Phyllonorycter nipigon, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 29 Jun 2022, RAM, photo

Momphidae:

Mompha pecosella, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 18 Jun 2022, RAM, photo

Noctuidae:

Abagrotis brunneipennis, Lewis and Clark Co., 114 Clarke Place, Helena, 46°36.190'N 112°5.152'W, 20 Aug 2016, RAM, photo
Alypia langtoni, Lewis and Clark Co., Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 23 Jul 2022, RAM, photo

Amphipoea keiferi, **Teton Co.**, 27 mi W of Choteau, Bellview-Teton Rd., Pine Butte Swamp Preserve, 47.85878N 112.56364W, 1415 m., 26 Aug 2022, MAT, **STATE RECORD**

Antrastria teratophora, **Carbon Co.**, 4.3 mi SW of Red Lodge, Palisades CG, 45.171649N 109.311568W, 6400 ft., 18 Jun 2022, MLK, **STATE RECORD**

Cerastis salicarium, **Lewis and Clark Co.**, 114 Clarke Place, Helena, 46°29.489'N 112°15.090'W, 5156 ft., 18 May 2022, RAM, photo

Coenophila opacifrons, **Carbon Co.**, 3.5 mi NW of Red Lodge, Fox Rd., 45.19621N 109.30112W, 1675 m., 28 Jul 2021, MLK, **STATE RECORD**

Cucullia mcdunnoughi, **Carbon Co.**, 13 mi E of Warren, Vermillion Valley, Crooked Cr. Rd., 45.0316N 108.41924W, 1412 m., 2 Jun 2021, MLK, sandy wash filled with lupine, **STATE RECORD**

Dargida rubripennis, **Carter Co.**, 4.5 mi SE of Ekalaka, Custer NF, just N of Kittleman Ranch, 45.8254N 104.43002W, 1111 m, 7 Jul 2021, MLK, **STATE RECORD**

Egira hiemalis, **Missoula Co.**, 5 mi S of Lolo, Gardner Lane, Montana State Land, 46.7041N 114.06201W, 966 m., 27 Mar 2022, MAT, **STATE RECORD**

Eupsilia devia, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 9 Oct 2021, RAM, photo

Euxoa auripennis, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 13 Aug 2022, RAM, photo

Fishia dispar, **Carbon Co.**, 14.7 mi SW of Warren, Pryor Mts., Petroglyph Cyn., 45.01598N 108.50286W, 1463 m., 1 Jun 2022, MLK, **STATE RECORD**

Hadena variolata, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 27 Jul 2022, RAM, photo

Hypocoena basistriga, **Teton Co.**, 25.5 mi W of Choteau, Bellview-Teton Rd., Pine Butte Swamp Preserve, 47.85502N 112.56789W, 1415 m., 26 Aug 2022, MAT, **STATE RECORD**

Hypa indistincta, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 1 Jul 2022, RAM, photo

Lacania atlantica, **Madison Co.**, 4 mi S of Twin Bridges, 2377 Hwy 41S, 45.50614N 112.38033W, 1431 m., 2 Jul 2021, MAT, **STATE RECORD**

Nedra stewarti, **Missoula Co.**, MPG Ranch, West Carlton Ck., 46.67481N 114.10995W, 1241 m., 26 Aug 2021, MAT, Douglas fir, ponderosa pine, willow, Rocky Mt maple, snowberry, **STATE RECORD**

Orthodes majuscula, **Yellowstone Co.**, Billings Zoo MT, 2100 Shiloh Rd., 45.73199N 108.62218W, 975 m., 27 Jun 2022, MLK, vouchered by F. Mora & M. Eischenbrenner, **STATE RECORD**

Papaipema animoda, **Missoula Co.**, MPG Ranch, Duck Mahal, 46.69276N 114.04412W, 965 m., 5 Sep 2022, MAT, **STATE RECORD**

Polia discalis, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 19 Jul 2022, RAM, photo

Protogygia alberta, **Carbon Co.**, 14.7 mi SE of Warren, Petroglyph Cyn. trailhead., 45.01643N 108.50472W, 1463 m., 1 Jun 2022, MLK, sandy wash filled with lupine, **USA RECORD**

Protogygia pryorensis, **Carbon Co.**, Pryor Mts., Petroglyph Cyn. Nat. Area, 4990 ft., 6 May 2021, CEH, collected by Marian Kirst & Izzy Sommersdorf, high desert sand dunes, **STATE RECORD**

Pseudeustrotia carneola, **Yellowstone Co.**, Billings Zoo MT, 2100 Shiloh Rd., 45.73082N 108.62371W, 975 m., 20 Jul 2022, MLK, vouchered by F. Mora & M. Eischenbrenner, **STATE RECORD**

Schinia biundata, **Carbon Co.**, 13 mi E of Warren, Vermillion Valley, Crooked Cr. Rd., 45.0316N 108.41924W, 1412 m., 2 Jun 2021, MAT, sandy wash filled with lupine, **STATE RECORD**

Schinia snowi, **Carbon Co.**, 10 mi SE of Warren, Pryor Mts., Crooked Cr. Rd., 45.01333N 108.42797W, 1439 m, 1 Jun 2021, MAT, **STATE RECORD**

Scotogramma stretchii, **Carbon Co.**, Pryor Mts., Petroglyph Cyn. Nat. Area, 45.01671N 108.50224W, 4990 ft., 6 May 2022, MLK, **STATE RECORD**

Sympistis chalybdis, **Powell Co.**, Chamberlain Cr., 11 mi S of Hwy 200, 46.92784N 113.29029W, 1796 m., 1 Sep 2022, MAT, **STATE RECORD**

Sympistis sokar, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 10 Aug 2022, RAM, photo

Sympistis sorapis, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 4 Aug 2022, RAM, photo

Sympistis tenuistriga, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 9 Aug 2022, RAM, photo

Trachea delicata, **Roosevelt Co.**, 2 mi S of Homestead, Medicine Lake NWR, 48.38812N 104.53372W, 591 m., 1 Jul 2022, MAT, **STATE RECORD**

Xylotype acadia, **Powell Co.**, Chamberlain Cr., 11 mi S of Hwy 200, 46.92856N 113.28876W, 1822 m., 1 Sep 2022, MAT, **STATE RECORD**

Notodontidae:

Cecrita plumosa, **Lewis and Clark Co.**, East Helena, 414 ½ E Clark St., 46.589657N 111.915546W, 27 Jul 2011, RAM, photo, ID by Bugguide

Oecophoridae:

Denisia haydenella, **Lewis and Clark Co.**, 114 Clarke Place, Helena, 46°36.190'N 112°5.152'W, 5 Jun 2017, RAM, photo

Opostegidae:

Pseudopostega albogaleriella, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 3 Aug 2022, RAM, photo

Prodoxidae:

Greya politella, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 29 Jun 2022, RAM, photo

Pyralidae:

Caudellia nigrella, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 16 Jul 2022, RAM, photo

Tortricidae:

Acleris gloveranus, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 23 Aug 2022, RAM, photo

Acleris inana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 29 Jun 2022, RAM, photo

Acleris minuta, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 26 Sep 2021, RAM, photo

Aethes mymara, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 10 Jul 2022, RAM, photo

Anopina eleonora, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 26 Jul 2022, RAM, photo

Argyrotaenia tabulana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 27 Jul 2022, RAM, photo

Cochylichroa hoffmanana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 21 Oct 2021, RAM, photo

Cochylichroa temerana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 23 Jun 2022, RAM, photo

Cochylis caulocatax, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 27 Jul 2022, RAM, photo
Epiblema scudderiana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 7 Aug 2022, RAM, photo
Epinotia medioviridana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 19 Aug 2022, RAM, photo
Epinotia radicana, **Lewis and Clark Co.**, East Helena, 414 ½ E Clark St., 46.589657N 111.915546W, 13 Sep 2011, RAM, photo
Epinotia vagana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 23 Sep 2021, RAM, photo
Gymnandrosoma punctidiscanum, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 25 Jul 2022, RAM, photo
Olethreutes albicilliana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 24 Jul 2022, RAM, photo
Pelochrista dorsisignatana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 22 Aug 2022, RAM, photo
Phiaros bipunctana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 14 Jul 2022, RAM, photo
Phtheochroa baracana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 21 Jul 2022, RAM, photo
Phtheochroa villana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 17 Jul 2022, RAM, photo
Rhopobota dietziana, **Lewis and Clark Co.**, Ten Mile Ck., Rimini, 46°29.489'N 112°15.090'W, 5156 ft., 18 Aug 2022, RAM, photo
Thyraylia discana, **Lewis and Clark Co.**, 114 Clarke Place, Helena, 46°36.190'N 112°5.152'W, 1 May 2017, RAM, photo

New Mexico:

Cosmopterigidae:

Anoncia longa, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 19-20 Oct 2020, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Cossidae:

Comadia manfredi, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 19-20 Apr 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male

Toronina perplexus, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 20-21 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, female

Crambidae:

Agathodes monstralis, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 20-21 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, female

Agriphila vulgivagellus, **Grant Co.**, Black Hawk Canyon, Gila NF, 32.767N 108.499W, 5100 ft., 3-4 Aug 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Eudonia spenceri, **Grant Co.**, County Rd 2-53, Gila NF, near Gila River, 32.842N 108.586W, 4600 ft., 12-13 May 2021, RJP, at UV light trap, Chihuahuan desert

Eufernaldia cadarellus, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 25-26 May 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male

Eufernaldia cadarellus, **Grant Co.**, Poncho Canyon, Gila NF, near Gila River, 32.8476N 108.5926W, 4400 ft., 24-25 May 2022, RJP, at UV light trap, cottonwoods, sycamores, male

Frechinia helianthiales, **Catron Co.**, Forest Rd 94, Apache NF, 33.724N 108.472W, 8300 ft., 4-5 Aug 2020, RJP, at UV light trap, pine forest

Loxostegopsis curialis, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.771N 108.512W, 5200 ft., 15-16 Aug 2022, RJP, at UV light trap, wash, rabbit brush, walnut, desert willow

Microcrambus copelandi, **Grant Co.**, Poncho Canyon, Gila NF, near Gila River, 32.8476N 108.5926W, 4400 ft., 24-25 May 2022, RJP, at UV light trap, cottonwoods, sycamores, male

Mojavia achemonalis, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 11-12 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest

Petrophila kearfottalis, **Grant Co.**, Poncho Canyon, Gila NF, near Gila River, 32.8476N 108.5926W, 4400 ft., 24-25 May 2022, RJP, at UV light trap, cottonwoods, sycamores, male

Prionapteryx achatina, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 9-10 Jul 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Procympopteryx belialis, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 23-24 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male

Pseudoschinia elautalis, **Grant Co.**, Poncho Canyon, Gila NF, near Gila River, 32.8476N 108.5926W, 4400 ft., 24-25 May 2022, RJP, at UV light trap, cottonwoods, sycamores, male

Pyrausta flavibrunnea, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 22-23 Sep 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male

Pyrausta grotei, **Catron Co.**, Forest Rd 94, Apache NF, 33.724N 108.472W, 8300 ft., 4-5 Aug 2020, RJP, at UV light trap, pine forest

Pyrausta inornatalis, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 14-15 Sep 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Pyrausta pseudonythesalis, **Grant Co.**, Black Hawk Canyon, Gila NF, 32.772N 108.499W, 5100 ft., 3-4 Aug 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Pyrausta scurralis, **Catron Co.**, Forest Rd 94, Apache NF, 33.724N 108.472W, 8300 ft., 4-5 Aug 2020, RJP, at UV light trap, pine forest

Spoladea recurvalis, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 3-4 Oct 2021, RJP, at UV light sheet, oak-pinyon-juniper forest

Thaumatopsis repandus, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 30-31 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male

Erebidae:

Ascalapha odorata, **Grant Co.**, Bar-6 Rd., Gila NF, 32.7019N 108.4636W, 5700 ft., 15-16 Jul 2021, RJP, inside residence, oak-pinyon-juniper forest

Hypena lividalis, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 31 Oct-1 Nov 2021, RJP, at UV light sheet, oak-pinyon-juniper forest

Matigramma adoceta, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 9-10 Jul 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Gelechiidae:

Aristotelia hexacopa, **Grant Co.**, Black Hawk Canyon, Gila NF, 32.767N 108.499W, 5100 ft., 3-4 Aug 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Dichomeris gleba, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 16-17 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, female

Filatima obidenna, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 11-12 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male

Friseria cockerelli, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 9-10 Jul 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Gelechia bianulella, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.771N 108.512W, 5200 ft., 15-16 Aug 2022, RJP, at UV light trap, wash, rabbit brush, walnut, desert willow, male

Gelechia versutella, **Grant Co.**, Poncho Canyon, Gila NF, near Gila River, 32.8476N 108.5926W, 4400 ft., 24-25 May 2022, RJP, at UV light trap, cottonwoods, sycamores, male

Prolita barnesiella, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 19-20 Oct 2020, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Prolita rectistrigella, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 14-15 Sep 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Sophronia roseicrinella, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 9-10 Jul 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Geometridae:

Arcobara multilineata, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 16-17 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male

Macaria saphenata, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 28-29 Jul 2020, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Prorella desperata, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 11-12 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest

Psamatodes abydata, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 14-15 Sep 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland, genitalia prep - male

Xanthorhoe ferrugata, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 30-31 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male

Hesperiidae:

Amblyscirtes tolteca, **Hidalgo Co.**, Post Office Canyon, 31 Jul 1982, SJC, east range extension, **STATE RECORD**

Ancyloxypha arene, **Catron Co.**, Glenwood, Fish Hatchery, 24 Sep 2021, KR

Atalopedes campestris, **Catron Co.**, Glenwood, Fish Hatchery, 24 Sep 2021, KR

Copaeodes aurantiaca, **Torrance Co.**, 4th of July Campground, Manzano Mts., 29 Jul 2020, SJC, vouchered by Hira Walker & Brooke Harper

Erynnis funeralis, **Roosevelt Co.**, S of Portales, 1 Apr 2015, SJC, vouchered by James Lofton

Erynnis juvenalis clitus, **Grant Co.**, Gila River @ Gila Hot Springs, 30 Jun 2020, SJC, vouchered by Hira Walker, north range extension

Hesperopsis alpheus, **Valencia Co.**, NM 6, 13 mi W of I-15, 4 Jul 2020, SJC, vouchered by Rebecca Gracey & Joe Schelling

Lycaenidae:

Atlides halesus, Los Alamos Co., White Rock Overlook, 23 Jun 2020, SJC, vouchered by Marc Bailey, 2nd report for the county

Chlorostrymon simaethis, **Dona Ana Co.**, Las Cruces, 22 May 2020, SJC, vouchered by Rob Wu, 2nd report for NM

Chlorostrymon simaethis, **Grant Co.**, Silver City, 3 May 2020, SJC, vouchered by RJ Herbst, 3rd report for NM

Euphilotes ellisii, **Sandoval Co.**, US 550, 6 mi W of San Ysidro, 6 Aug 2020, SJC

Euphilotes rita coloradensis, **San Juan Co.**, S of Farmington, 11 Aug 2020, SJC, vouchered by Christian Nunes

Ministrymon leda, **Sandoval Co.**, along NM 165, Sandia Mts., 12 Jun 2020, SJC, vouchered by Joe Schelling & Rebecca Gracey

Satyrium behri, **Taos Co.**, Red River town, 10 Jul 2020, SJC, vouchered by Harry Forbes

Strymon cestri, **Socorro Co.**, Beartrap Campground, San Mateo Mts., 18 Jun 2020, SJC, vouchered by Abbie Zeltzer & Matt Brown, 2nd report for NM, north range extension, high elevation

Noctuidae:

Chloridea subflexa, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 30-31 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male

Euxoa hollemanni, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 19-20 Oct 2020, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Euxoa medialis, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 19-20 Oct 2020, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Euxoa olivia, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 17-18 Oct 2020, RJP, at UV light sheet, oak-pinyon-juniper forest

Homoanarta falcata, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 14-15 Sep 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Homorthodes rubritincta, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 28-29 Jul 2020, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland

Mimobarathra antonito, **Catron Co.**, Forest Rd 94, Apache NF, 33.724N 108.472W, 8300 ft., 4-5 Aug 2020, RJP, at UV light trap, pine forest

Neleucania patricia, Catron Co., Forest Rd 94, Apache NF, 33.724N 108.472W, 8300 ft., 4-5 Aug 2020, RJP, at UV light trap, pine forest
Phoenicophanta bicolor, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 16-17 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, female
Pseudobryomima distans, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 12 Oct 2020, RJP, at UV light sheet, oak-pinyon-juniper forest
Schinia arcigera, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.771N 108.512W, 5200 ft., 15-16 Aug 2022, RJP, at UV light trap, wash, rabbit brush, walnut, desert willow, male
Schinia bina, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 16-17 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male
Schinia chryselloides, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 25-26 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male
Schinia luxa, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 18-19 Jul 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, female
Schinia miniana, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 30-31 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male
Tripudia balteata, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 25-26 May 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, female

Notodontidae:

Gluphisia wrightii, **Grant Co.**, Black Hawk Canyon, Gila NF, 32.772N 108.499W, 5100 ft., 3-4 Aug 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland, female
Ianassa guadalupensis, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 19-20 Apr 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male
Rifargia occiclina, **Grant Co.**, Poncho Canyon, Gila NF, near Gila River, 32.8476N 108.5926W, 4400 ft., 24-25 May 2022, RJP, at UV light trap, cottonwoods, sycamores, male

Nymphalidae:

Argynnis aphrodite, Los Alamos Co., Pajarito Ski area, 1 Jul 2020, SJC, vouchered by Marc Bailey, 2nd report for this county
Argynnis cybele, Santa Fe Co., Rio en Medio lower trail, 7 Jul 2020, SJC, early date
Boloria selene, **Colfax Co.**, Eagle Next Lake State Park, north edge of lake, 29 Jun 2020, SJC, east range extension
Cercyonis pegala, **Los Alamos Co.**, Rio Grande at Mortandad Canyon, 2 Jul 2016, SJC, vouchered by Mouser Williams
Junonia nigrosuffusa, **Taos Co.**, Wild Rivers Rec Area, SW of Questa, 10 Aug 2020, SJC, vouchered by S. Cary, A. Warren, J. Schelling, R. Gracey, C. Nunes, north range extension
Libytheana carinenta, **Los Alamos Co.**, Los Alamos town, 6 Jul 2020, SJC, vouchered by Marc Bailey
Phyciodes picta, **Roosevelt Co.**, S of Portales, 1 Apr 2015, SJC, vouchered by James Lofton

Pieridae:

Ascia monuste, **Catron Co.**, Charlie Moore Spring, ca. 11 mi W of Alma, 16 Apr 2021, KR
Ascia monuste, **Catron Co.**, Glenwood, Fish Hatchery, 24 Sep 2021, KR
Phoebis agarithe, **Catron Co.**, Glenwood, Fish Hatchery, 24 Sep 2021, KR
Pyrisitia proterpia, **Catron Co.**, Glenwood, Fish Hatchery, 24 Sep 2021, KR

Pyralidae:

Bandera binotella, **Catron Co.**, Forest Rd 94, Apache NF, 33.724N 108.472W, 8300 ft., 4-5 Aug 2020, RJP, at UV light trap, pine forest, previously found in McKinley Co.
Bandera cupidinella, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 22-23 Sep 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, male
Cacotherapia interalbicalis, **Grant Co.**, Poncho Canyon, Gila NF, near Gila River, 32.8476N 108.5926W, 4400 ft., 21-22 Sep 2022, RJP, at UV light trap, cottonwoods, sycamores
Cacotherapia leucocope, **Catron Co.**, Forest Rd 94, Apache NF, 33.724N 108.472W, 8300 ft., 4-5 Aug 2020, RJP, at UV light trap, pine forest
Decaturia pectinalis, **Grant Co.**, County Rd 2-53, Gila NF, near Gila River, 32.842N 108.586W, 4600 ft., 12-13 May 2021, RJP, at UV light trap, Chihuahuan desert
Homoeosoma illuviella, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 9-10 May 2021, RJP, at UV light sheet, oak-pinyon-juniper forest
Pima fosterella, **Catron Co.**, Forest Rd 94, Apache NF, 33.724N 108.472W, 8300 ft., 4-5 Aug 2020, RJP, at UV light trap, pine forest
Satole ligniperdalis, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 10-11 Jul 2021, RJP, at UV light sheet, oak-pinyon-juniper forest

Riodinidae:

Emesis zela cleis, **Catron Co.**, Charlie Moore Spring, ca. 11 mi W of Alma, 16 Apr 2021, KR

Scythrididae:

Scythris trivinctella, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 22-23 Sep 2022, RJP, at UV light sheet, oak-pinyon-juniper forest

Tineidae:

Acrolophus cressoni, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 9-10 Jul 2021, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland
Amydria obliquella, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 12-13 Oct 2020, RJP, at UV light sheet, oak-pinyon-juniper forest

Tortricidae:

Cydia membrosa, **Grant Co.**, 32 Diamond A Dr., Gila NF, 32.6869N 108.4726W, 5900 ft., 18-19 Aug 2022, RJP, at UV light sheet, oak-pinyon-juniper forest, female

Ofatulena duodecemstriata, **Grant Co.**, Saddle Rock Canyon, Gila NF, 32.770N 108.513W, 5200 ft., 28-29 Jul 2020, RJP, at UV light trap, dry streambed, oak-juniper-walnut woodland
Pelochrista scintillana, **Grant Co.**, Black Hawk Canyon, Gila NF, 32.767N 108.499W, 5200 ft., 14-15 Jul 2022, RJP, at UV light trap, wash, rabbit brush, walnut, desert willow, female

Utah:

Hesperiidae:

Atalopedes campestris, **Grand Co.**, Matheson Wetlands WMA at Moab, 27 Aug 2021, KR

Pieridae:

Abaeis nicippe, **Grand Co.**, Matheson Wetlands WMA at Moab, 27 Aug 2021, KR

Riodinidae:

Emesis zela cleis, **Grand Co.**, Matheson Wetlands WMA at Moab, 27 Aug 2021, KR

Zone 5: Great Plains; Kansas, Manitoba, Nebraska, North Dakota, Oklahoma, Saskatchewan, South Dakota

Coordinator Michael M. Ellsbury

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Photos submitted by Kyle Johnson.



Melaporphyria immortua, MB, Eastman Region, Kerry-Hadashville Pine Plains, 6 June 2022, first Canadian record since 1979



Pseudexentera kalmiana, MB, Eastman Region, Pinawa Hill Peatlands, 26 May 2022, Provincial Record

RECORDS:

Nebraska:

Blastobasidae:

Blastobasis glandulella, **Lancaster Co.**, in Lincoln, MJP, **STATE RECORD**, no date

Pigritia laticapitella, **Lancaster Co.**, in Lincoln, MJP, **STATE RECORD**, no date

Pigritia murtfeldtella, **Lancaster Co.**, in Lincoln, MJP, **STATE RECORD**, no date

Cosmopterigidae:

Cosmopterix clemensella, **Lancaster Co.**, in Lincoln, MJP, **STATE RECORD**, no date

Crambidae:

Condylorrhiza vestigialis, **Scotts Bluff Co.**, Wildcat Hills S of Scotts Bluff, 18 Sep 2022, CDC, **STATE RECORD**
Microtheoris vibicalis, **Hall Co.**, Crane Meadows, 19 Jul 2022, KEJ, **STATE RECORD**
Occidentalis comptulatalis, **Hall Co.**, Crane Meadows, 21 Jun 2022, CTS & MBS, **STATE RECORD**
Thopeutis forbesellus, **Hall Co.**, Crane Meadows, 19 Jul 2022, CTS & MBS, **STATE RECORD**

Depressariidae:

Depressaria depressana, **Knox Co.**, in Creighton, 8 Aug-23 Sep 2022, MBS, **STATE RECORD**

Elachistidae:

Chrysoclista linneella, **Lancaster Co.**, in Lincoln, 19 Jul 2022, MJP, **STATE RECORD**

Erebidae:

Catocala parta, **Thomas Co.**, Nebraska National Forest area, just SW of Halsey, 5-6 Jul 2022, JKA
Catocala whitneyi, **Thomas Co.**, Nebraska National Forest area, just SW of Halsey, 5-6 Jul 2022, JKA
Cisthene barnesii, **Dawes Co.**, Nebraska National Forest, Cliffs Trailhead area, 6-7 Jul 2022, JKA
Ectypia clio, **Thomas Co.**, lights at Redwood Inn, Halsey, 5-6 Jul 2022, JKA
Pygarctia spraguei, **Thomas Co.**, lights at Redwood Inn, Halsey, 5-6 Jul 2022, JKA, few in NE

Gelechiidae:

Aristotelia salicifungiella, **Knox Co.**, in Creighton, 30 Jun 2022, MBS, **STATE RECORD**
Chionodes obscurusella, **Knox Co.**, in Creighton, 1 Sep 2022, MBS, **STATE RECORD**

Geometridae:

Euchlaena effecta, **Thomas Co.**, Nebraska National Forest area, just SW of Halsey, 5-6 Jul 2022, JKA, few records in state
Idaeia gemmata, **Thomas Co.**, lights at Redwood Inn, Halsey, 5-6 Jul 2022, JKA
Lytrosis unitaria, **Dawes Co.**, Nebraska National Forest, Cliffs Trailhead area, 6-7 Jul 2022, JKA, about as far west as this moth has been found
Macaria bitactata, **Dawes Co.**, Nebraska National Forest, Cliffs Trailhead area, 6-7 Jul 2022, JKA

Hesperiidae:

Anatrytone logan, **Dawes Co.**, Fort Robinson SP, White River Trail, 29 Jun 2022, JJJ
Lon zabulon, **Saunders Co.**, 23 Aug 2022, LT1

Lycaenidae:

Brephidium exilis, **Sarpy Co.**, Schram State Recreation Area, 22 Oct 2022, NED
Leptotes marina, **Boone Co.**, 2 mi N, 7.5 mi E of Albion, 20 Sep 2022, DKM
Leptotes marina, **Madison Co.**, 2 mi W of Newman Grove, 21 Sep 2022, DKM
Leptotes marina, **Merrick Co.**, 2.5 mi N of Worms, 24 Sep 2022, NED
Leptotes marina, **Boyd Co.**, 3 mi W, 1 mi N of Spencer, 20 Oct 2022, JMR
Leptotes marina, **Howard Co.**, 4 mi S of Dannebrog, 24 Sep 2022, NED
Leptotes marina, **Platte Co.**, 7 mi S of Lindsey, 19 Sep 2022, DKM
Leptotes marina, **Phelps Co.**, alfalfa field 7.5 mi S of Odessa I-80 interchange, 18 Sep 2022, NJD
Leptotes marina, **Kearney Co.**, alfalfa S of junction of US 6/34 & NE 44, 18 Sep 2022, NJD
Leptotes marina, **Hamilton Co.**, Aurora, 17 Oct 2021, SB2
Leptotes marina, **Valley Co.**, campground at Davis Creek Lake, 17 Sep 2022, JJJ
Leptotes marina, **Dodge Co.**, Fremont, 11 Oct 2022, LT1
Leptotes marina, **Nance Co.**, Fullerton, 24 Sep 2022, NED
Leptotes marina, **Gage Co.**, Homestead National Monument, 19 Sep 2022, JL & HH
Leptotes marina, **Greeley Co.**, Scotia Chalk Mine, 18 Sep 2022, JJJ
Leptotes marina, **Seward Co.**, Utica, 18 Sep 2022, MP
Leptotes marina, **Scotts Bluff Co.**, Wildcat Hills S of Scotts Bluff, 19 Jul 2022, CC1
Leptotes marina, **Banner Co.**, Wildcat Hills S of Scotts Bluff, 17 Sep 2022, CC1

Nepticulidae:

Stigmella juglandifoliella, **Lancaster Co.**, in Lincoln, MJP, **STATE RECORD**, no date
Stigmella macrocarpa, **Lancaster Co.**, in Lincoln, MJP, **STATE RECORD**, no date

Noctuidae:

'Oligia' egens, **Knox Co.**, in Creighton, 16 Jul 2022, MBS, **STATE RECORD**
'Oligia' obtusa, **Hall Co.**, Crane Meadows, 20 Jul 2022, CTS & MBS, **STATE RECORD**
Anathix aggressa, **Knox Co.**, in Creighton, 25 Sep 2022, MBS, **STATE RECORD**
Apamea lignicolora, **Thomas Co.**, Nebraska National Forest area, just SW of Halsey, 5-6 Jul 2022, JKA
Dolocucullia dentilinea, **Dawes Co.**, Nebraska National Forest, Cliffs Trailhead area, 6-7 Jul 2022, JKA, few in NE
Lemmeria digitalis, **Knox Co.**, in Creighton, 2 Oct 2022, MBS, **STATE RECORD**
Melanapamea mixta, **Dawes Co.**, Nebraska National Forest, Cliffs Trailhead area, 6-7 Jul 2022, JKA, **STATE RECORD**
Papaipema impecuniosa, **Knox Co.**, in Creighton, 10 Oct 2022, MBS, **STATE RECORD**
Photedes inops, **Knox Co.**, in Creighton, 23 Sep 2022, MBS, **STATE RECORD**
Sympistis pallidior, **Dawes Co.**, Nebraska National Forest, Cliffs Trailhead area, 6-7 Jul 2022, JKA, **STATE RECORD**
Sympistis riparia, **Thomas Co.**, Nebraska National Forest area, just SW of Halsey, 5-6 Jul 2022, JKA, possible **STATE RECORD**
Ulolonche dilecta, **Dawes Co.**, Nebraska National Forest, Cliffs Trailhead area, 6-7 Jul 2022, JKA, **STATE RECORD**
Xylomoia chagnoni, **Dawes Co.**, Nebraska National Forest, Cliffs Trailhead area, 6-7 Jul 2022, JKA

Nymphalidae:

Nymphalis californica, **Sioux Co.**, Gilbert-Baker SWMA and Agate Fossil Beds NM, 11 Jul 2022, CC1 & SMS & MLB
Phyciodes pulchella, **Scotts Bluff Co.**, Wildcat Hills S of Scotts Bluff, 15 Jun 2022, CC1

Argynnis idalia, Dawes Co., Nebraska National Forest, Cliffs Trailhead area, 6-7 Jul 2022, JKA, recent record

Sphingidae:

Ceratomia amyntor, **Cass Co.**, Platte River SP, 21 Jun 2022, BAG
Ceratomia undulosa, **Cass Co.**, Mahoney SP, 22 Jun 2022, BAG
Erinyis ello, **Hall Co.**, Crane Meadows, 7 Jul 2022, AR
Laothoe juglandis, **Cass Co.**, Mahoney SP, 5 Jun 2022, BAG
Manduca quinquemaculata, **Douglas Co.**, Omaha, 8 Sep 2022, BAG
Sphecodina abbottii, **Burt Co.**, Summitt Lake, 21 Jun 2022, BAG

Tineidae:

Amydria effrentella, **Hall Co.**, Crane Meadows, 27 Jun 2022, CTS & MBS, **STATE RECORD**
Nemapogon angulifasciella, **Sarpy Co.**, in Bellevue, 9 Sep 2022, BLP, **STATE RECORD**
Tinea apicimaculella, **Lancaster Co.**, in Lincoln, MJP, **STATE RECORD**, no date

Tischeriidae:

Coptotriche purinosella, **Sarpy Co.**, in Bellevue, 9 Sep 2022, BLP, **STATE RECORD**

Tortricidae:

Aethes razowskii, **Hall Co.**, Crane Meadows, 21 Jun 2022, CTS & MBS, **STATE RECORD**
Bactra maiorina, **Hall Co.**, Crane Meadows, 21 Jun 2022, CTS & MBS, **STATE RECORD**
Endothenia montanana, **Knox Co.**, in Creighton, 15 Jul 2022, MBS, **STATE RECORD**
Epiblema scudderiana, **Hall Co.**, Crane Meadows, 7 Jul 2022, CTS & MBS, **STATE RECORD**
Eucosma grindeliana, **Hall Co.**, Crane Meadows, 21 Jul 2022, CTS & MBS, **STATE RECORD**
Eucosma influana, **Hall Co.**, Crane Meadows, 16 Jun 2022, CTS & MBS, **STATE RECORD**
Pelochrista agassizii, **Knox Co.**, in Creighton, 21 Jun 2022, MBS, **STATE RECORD**
Pelochrista pallidipalpana, **Knox Co.**, in Creighton, 28 Jul 2022, MBS, **STATE RECORD**
Pelochrista similiana, **Lancaster Co.**, in Lincoln, MJP, **STATE RECORD**, no date

North Dakota:

Coleophoridae:

Coleophora cf. bistrigella, **Ramsey Co.**, Devil's Lake, 27 Jun 2022, GMF, **STATE RECORD**

Crambidae:

Loxostege lepidalis, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, previously from Mckenzie Co.

Erebidae:

Apantesis phyllira, **Billings Co.**, Bar X Guest Ranch, West River Rd. along Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA
Apantesis williamsii, **Billings Co.**, Bar X Guest Ranch, West River Rd. along Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA
Drasteria adumbrata, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA
Drasteria howlandi, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA
Drasteria hudsonica, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA
Ectypia clio, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, fewer than 5 records from state
Hypercompe permaculata, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, uncommon in state
Hypoprepia inculta, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, common, previously represented in the NDSIRC by one specimen from McKenzie Co.

Euteliidae:

Marathyssa inficita, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, few in state

Geometridae:

Euchlaena effecta, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, common, few in state
Lytrosis unitaria, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, possible **STATE RECORD**
Macaria bitactata, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, few in state
Macaria coortaria, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, few in state

Hesperiidae:

Megathymus streckeri, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA

Noctuidae:

Abagrotis duanca, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, **STATE RECORD**

Actebia balanitis, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, previously only from Bottineau and Williams Cos.

Anarta antica, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, common, few in state

Anarta antica, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, common, few in state

Cerma cerintha, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, few in state

Cucullia antipoda, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, common, few in state

Euxoa campestris, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, **STATE RECORD**

Euxoa castanea, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, uncommon in state

Euxoa divergens, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, uncommon in state

Euxoa immixta, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, uncommon in western ND

Euxoa oblongistigma, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, uncommon in state

Euxoa setonia, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, **STATE RECORD**

Grotella septempunctata, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, 2nd record for state, previously from McLean Co.

Harrisimemna trisignata, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, few from western ND

Paradiarsia littoralis, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, few from western ND

Polia nugatis, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, previously from McKenzie and McLean Co.

Ponometia elegantula, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, previously from Ward Co.

Ponometia nutrix, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, **STATE RECORD**

Protogygia querula, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, common, 2nd record in state

Schinia bina, **Ramsey Co.**, Devil's Lake, 18 Jul 2022, GMF, previously from Ward Co.

Schinia roseitincta, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, possible **STATE RECORD**

Schinia thoreaui, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, possible **STATE RECORD**

Sideridis rosea, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, possible **STATE RECORD**

Sideridis uscripta, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, common

Stiria rugifrons, **Billings Co.**, Bar X Guest Ranch, West River Rd. along Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA

Ulolonche dilecta, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, previously from Slope Co.

Xylomoia chagnoni, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, few from W ND

Spingidae:

Hyles gallii, **Billings Co.**, Badland habitat, Bar X Guest Ranch, between West River Rd. and Little Missouri River, SW of Medora, 10-12 Jul 2022, JKA, few from W ND

South Dakota:

Drepanidae:

Pseudothyatira cymatophoroides, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, possible **STATE RECORD**

Erebidae:

Drasteria adumbrata, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA

Drasteria hudsonica, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA

Euclidia cuspeida, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA

Geometridae:

Euchlaena irraria, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA

Mesoleuca ruficiliata, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, possible **STATE RECORD**

Zenophleps alpinata, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, possible **STATE RECORD**

Noctuidae:

Acrionicta impressa, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, first from western SD/Black Hills

Hyppa xylinoidea, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, possible **STATE RECORD**

Neleucania praegracilis, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, **STATE RECORD**

Phlogophora iris, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, first from western SD/Black Hills

Sideridis maryx, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, possible **STATE RECORD**

Sideridis rosea, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, possible **STATE RECORD**

Notodontidae:

Furcula modesta, **Lawrence Co.**, Black Hills, Terry's Peak Rd., 8-10 Jul 2022, JKA, **STATE RECORD**

Manitoba:

Argyresthiidae:

Argyresthia annettella, **Eastman Region**, Victoria Beach, 10 Aug 2022, KEJ, **PROVINCIAL RECORD**

Carposinidae:

Bondia crescentella, **Eastman Region**, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ, **PROVINCIAL RECORD**

Crambidae:

Crambus awemellus, Eastman Region, Molson Peatlands, 13 Aug 2022, KEJ, rarely reported; locally common in spring fen channels

Crambus lyonsellus, Eastman Region, Whitemouth Fen, 12 Aug 2022, KEJ, seldom reported

Loxostege anartalis, Eastman Region, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ, rarely reported, locally common on damp sandy roads, diurnal

Ostrinia marginalis, Eastman Region, Kerry-Hadashville Pine Plains, 27 May-6 Jun 2022, KEJ, seldom reported

Depressariidae:

Ethmia monticola, Eastman Region, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ

Exaeretia fulva, Eastman Region, Victoria Beach, 10 Aug 2022, KEJ, seldom reported

Semioscopis merricella, Eastman Region, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ

Semioscopis packardella, Eastman Region, Belair, 24 May-3 Jun 2022, KEJ

Drepanidae:

Euthyatira pudens, Eastman Region, Isbister Lakes Peatlands, 4 Jun 2022, KEJ

Epermeniidae:

Epermenia albapunctella, **Eastman Region**, Belair, 24 May 2022, KEJ, **PROVINCIAL RECORD**

Erebidae:

Catocala badia, Eastman Region, Belair, 11 Aug 2022, KEJ, seldom reported in MB

Cissusa spadix, **Eastman Region**, Kerry-Hadashville Pine Plains, 6 Jun 2022, KEJ, **PROVINCIAL RECORD**

Hyphenodes caducus, **Eastman Region**, Whitemouth Fen, 12 Aug 2022, KEJ, **PROVINCIAL RECORD**

Hyphenodes franclemonti, **Eastman Region**, Whitemouth Fen, 12 Aug 2022, KEJ, **PROVINCIAL RECORD**

Mycterophora inexplicata, Eastman Region, Isbister Lakes Peatlands, 11 Aug 2022, KEJ, seldom reported

Spilosoma dubia, Eastman Region, Kerry-Hadashville Pine Plains, 27 May-6 Jun 2022, KEJ

Zale submediana, Eastman Region, Belair, 24 May 2022, KEJ, seldom reported in MB

Gelechiidae:

Chionodes sattleri, Eastman Region, Isbister Lakes Peatlands, 11 Aug 2022, KEJ

Coleotechnites blastovora, Eastman Region, Vassar, 23 May 2022, KEJ

Filatima epulatrix, **Eastman Region**, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ, **PROVINCIAL RECORD**

Sinoe chambersi, Eastman Region, St. Labre Creek Peatlands, 27 May 2022, KEJ

Xenolechia velatella, Eastman Region, Kerry-Hadashville Pine Plains, 27 May-6 Jun 2022, KEJ, seldom reported

Geometridae:

Acasis viridata, Eastman Region, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ, seldom reported

Cleora projecta, Eastman Region, St. Labre Creek Peatlands, 27 May 2022, KEJ

Epirrhoe sperryi, Eastman Region, Sand River Peatlands, 7 Jun 2022, KEJ, seldom reported

Lycia ursaria, Eastman Region, Milner Ridge, 26 May 2022, KEJ

Gracillariidae:

Caloptilia alnicoilella, **Eastman Region**, Belair, 24 May 2022, KEJ, **PROVINCIAL RECORD**

Caloptilia coroniella, **Eastman Region**, Belair, 24 May 2022, KEJ, **PROVINCIAL RECORD**

Caloptilia vacciniella, **Eastman Region**, Kerry-Hadashville Pine Plains, 6 Jun 2022, KEJ, **PROVINCIAL RECORD**

Phyllonorycter mariaella, **Eastman Region**, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ, **PROVINCIAL RECORD**

Hesperiidae:

Erynnis martialis, **Eastman Region**, Kerry-Hadashville Pine Plains, 6 Jun 2022, KAT & KEJ, **PROVINCIAL RECORD**

Erynnis martialis, Eastman Region, Sand River Peatlands, 7 Jun 2022, KEJ, locally common along roadside through rich spruce swamp

Hesperia assiniboia, Eastman Region, Birds Hill Provincial Park, 10 Aug 2022, KEJ, abundant

Hesperia assiniboia, Eastman Region, Thalberg, 10 Aug 2022, KEJ, 2 observed, rare/localized here at its eastern range extreme

Hesperia leonardus leonardus, Eastman Region, Thalberg, 10 Aug 2022, KEJ, slight NW range extension

Lycaenidae:

Callophrys henrici, Eastman Region, East Marchand Pine Plains, 7 Jun 2022, KAT & KEJ

Callophrys henrici, Eastman Region, Kerry-Hadashville Pine Plains, 27 May-6 Jun 2022, KEJ, seldom reported in MB

Feniseca tarquinius, Eastman Region, Sandilands, 7 Jun 2022, KEJ, seldom reported in MB

Noctuidae:

Abagrotis cupida, Eastman Region, Belair, 11 Aug 2022, KEJ, uncommon this far E in MB

Abagrotis placida, Eastman Region, Belair, 11 Aug 2022, KEJ, uncommon this far S in MB

Acronicta lanceolaria, Eastman Region, Kerry-Hadashville Pine Plains, 27 May-5 Jun 2022, KEJ, seldom reported

Capis archaia, **Eastman Region**, Whitemouth Fen, 12 Aug 2022, KEJ, **PROVINCIAL RECORD**

Cerastis fishii, Eastman Region, Isbister Lakes Peatlands, 4 Jun 2022, KEJ, seldom reported in MB

Eremobina claudens, Eastman Region, Isbister Lakes Peatlands, 11 Aug 2022, KEJ

Feralia comstocki, Eastman Region, Isbister Lakes Peatlands, 4 Jun 2022, KEJ, rather late date

Feralia major, Eastman Region, Vassar, 23 May 2022, KEJ, rather late date

Heliiothis borealis, Eastman Region, Birds Hill Provincial Park, 3 Jun 2022, KEJ, seldom reported

Litholomia napaea, Eastman Region, Belair, 24 May-3 Jun 2022, KEJ, rather late date

Lithophane pexata, Eastman Region, Isbister Lakes Peatlands, 4 Jun 2022, KEJ, rather late date

Melaporphyria immortua, **Eastman Region**, Kerry-Hadashville Pine Plains, 6 Jun 2022, KEJ, 1st Canadian record since 1979

Orthosia segregata, Eastman Region, Vassar, 23 May 2022, KEJ, slight southern range extension

Papaipema aweme, Eastman Region, Whitemouth Fen, 12 Aug 2022, KEJ, new site; perhaps one of the largest in Canada

Stretchia plusiaeformis, Eastman Region, Belair, 24 May 2022, KEJ, rarely reported this far east

Xestia badicollis, Eastman Region, Isbister Lakes Peatlands, 11 Aug 2022, KEJ, seldom reported in MB

Nymphalidae:

Erebia discoidalis, Eastman Region, South Spruce Siding Swamp, 27 May 2022, KEJ, very scarce this season in SE Manitoba

Pyralidae:

Zophodia grossulariella, Eastman Region, St. Labre Creek Peatlands, 27 May 2022, KEJ

Saturniidae:

Hyalophora columbia, Eastman Region, Kerry-Hadashville Pine Plains, 6 Jun 2022, KEJ, seldom reported in MB

Sesiidae:

Synanthedon fatifera, Eastman Region, Isbister Lakes Peatlands, 11 Aug 2022, KEJ

Sphingidae:

Amphion floridensis, Eastman Region, Kerry-Hadashville Pine Plains, 6 Jun 2022, KEJ

Hemaris aethra, Eastman Region, Sand River Peatlands, 7 Jun 2022, KEJ

Sphinx drupiferarum, Eastman Region, Kerry-Hadashville Pine Plains, 6 Jun 2022, KEJ

Tortricidae:

Acleris fragariana, Eastman Region, Whitemouth Fen, 12 Aug 2022, KEJ

Acleris hudsoniana, Eastman Region, St. Labre Creek Peatlands, 27 May 2022, KEJ, seldom reported

Ancylis tenebrica, **Eastman Region**, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ, **PROVINCIAL RECORD**

Cochylichroa temerana, Eastman Region, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ, seldom reported

Epinotia corylana, **Eastman Region**, Isbister Lakes Peatlands, 11 Aug 2022, KEJ, **PROVINCIAL RECORD**

Eucopina monitorana, **Eastman Region**, Kerry-Hadashville Pine Plains, 27 May 2022, KEJ, **PROVINCIAL RECORD**

Grapholita lunatana, Eastman Region, Milner Ridge, 26 May 2022, KEJ, seldom reported

Gynindomorpha romonana, Eastman Region, Whitemouth Fen, 12 Aug 2022, KEJ, seldom reported

Pelochrista ridingsana, Eastman Region, Belair, 11 Aug 2022, KEJ, seldom reported this far east

Pseudexentera haracana, **Eastman Region**, Belair, 24 May 2022, KEJ, **PROVINCIAL RECORD**

Pseudexentera kalmiana, **Eastman Region**, Pinawa Hill Peatlands, 26 May 2022, KEJ, **PROVINCIAL RECORD**

Pseudexentera vaccinii, **Eastman Region**, Vassar, 23 May 2022, KEJ, **PROVINCIAL RECORD**

Rhyacionia granti, Eastman Region, Belair, 24 May 2022, KEJ, seldom reported

Zone 6: Texas

Coordinator: Stuart Marcus

Contributors: David G. Barker (DGB), Richard W. Boscoe (RWB), Jack Cochran (JC3), Rick S. Fleischer (RSF), Annika Lindqvist (AL3), Missy McAllister-Kerr (MIM), Stuart Marcus (SM3), Jason E. Pike (JP6)

No zone conditions report.

RECORDS:

Texas:

Argyresthiidae:

Argyresthia alternatella, **Hamilton Co**, FM 2005, 19-26 Mar 2022, MIM, <https://www.inaturalist.org/observations/109069501>

Autostichidae:

Gerdana caritella, **Liberty Co**, Trinity River NWR, 17 Jul-24 Sep 2022, SM3, <https://www.inaturalist.org/observations/138422443>

Blastobasidae:

Blastobasis taurusella, Dallas Co, Lochwood Neighborhood, 28 Apr & 15 Sep 2022, AL3,
<https://www.inaturalist.org/observations/136536712>

Bucculatricidae:

Bucculatrix longula, Dallas Co, Lochwood Neighborhood, 26 Nov 2022, AL3, <https://www.inaturalist.org/observations/141741980>

Cosmopterigidae:

Teladoma sp., Liberty Co, Trinity River NWR, 3 Oct 2022, SM3, <https://www.inaturalist.org/observations/138422452>

Triclonella bicoloripennis, Williamson Co, New House of Jack, 16 May-22 Jun 2022, JC3

Triclonella determinatella, Williamson Co, Hidden Springs Preserve, 23 Sep 2022, JC3

Cossidae:

Inguromorpha itzalana, Edwards Co, Indian Creek Ranch, 7 May 2022, AL3, <https://www.inaturalist.org/observations/116931489>

Crambidae:

Achyra bifidalis, Hamilton Co, FM 2005, 7-12 Oct 2022, MIM, <https://www.inaturalist.org/observations/119111349>

Ategumia ebulealis, Williamson Co, New House of Jack, 28 Sep 2022, JC3

Conchylodes octonalis, Williamson Co, New House of Jack, 15 Oct 2022, JC3

Desmia maculalis, Hamilton Co, FM 2005, 14 Apr 2022, MIM, <https://www.inaturalist.org/observations/111542739>

Desmia subdivisalis, Ellis Co, Mockingbird Nature Park, Midlothian, 29 Apr 2022, AL3,

<https://www.inaturalist.org/observations/115264937>

Diastictis ventralis, Hamilton Co, FM 2005, 19 Mar 2022, MIM, <https://www.inaturalist.org/observations/109060596>

Eoreuma densellus, Hamilton Co, FM 2005, 5 Jun-13 Oct 2022, MIM, <https://www.inaturalist.org/observations/120615499>

Hellula rogatalis, Liberty Co, Trinity River NWR, 20 May 2022, SM3, <https://www.inaturalist.org/observations/118113731>

Loxostege allectalis, Hamilton Co, FM 2005, 30 Apr-1 May 2022, MIM, <https://www.inaturalist.org/observations/113885539>

Microcrambus croesus, Williamson Co, New House of Jack, 24 Apr-8 Oct 2022, JC3

Microtheoris vibicalis, Cooke Co, Dixon Water Foundation, Josey Pavilion, 23 Jul 2022, AL3,

<https://www.inaturalist.org/observations/127872691>

Microtheoris vibicalis, Edwards Co, Indian Creek Ranch, 6 May 2022, AL3, <https://www.inaturalist.org/observations/116501838>

Mimoschinia rufofascialis, Hamilton Co, FM 2005, 16-19 Sep 2022, MIM, <https://www.inaturalist.org/observations/135450173>

Palpita magniferalis, Williamson Co, New House of Jack, 3 Mar 2022, JC3

Parapediasia hulstellus, Williamson Co, Hidden Springs Preserve, 8 Oct 2022, JC3

Parapoynx diminutalis, Hamilton Co, FM 2005, 5 Sep-27 Oct 2022, MIM, <https://www.inaturalist.org/observations/134132410>

Petrophila daemonalis, Bandera Co, Lost Maples State Natural Area, 8 May 2022, AL3,

<https://www.inaturalist.org/observations/117465374>

Prionapteryx indentella, Hamilton Co, FM 2005, 15 Sep 2022, MIM, <https://www.inaturalist.org/observations/135343174>

Pyrausta augustalis, Williamson Co, Hidden Springs Preserve, 23 Sep 2022, JC3

Pyrausta pseudonythesalis, Hamilton Co, FM 2005, 22 Oct 2022, MIM, <https://www.inaturalist.org/observations/139836981>

Samea baccatalis, Hamilton Co, FM 2005, 30 Apr 2022, MIM, <https://www.inaturalist.org/observations/113885711>

Scoparia palloralis, Williamson Co, New House of Jack, 24 Apr 2022, JC3, <https://www.inaturalist.org/observations/112852338>

Stegea salutalis, Liberty Co, Trinity River NWR, 15 Sep 2022, SM3, <https://www.inaturalist.org/observations/135611178>, far out of range

Steniodes declivalis, Hamilton Co, FM 2005, 10 Nov 2022, MIM, <https://www.inaturalist.org/observations/141726951>

Depressariidae:

Agonopterix argillacea, Hamilton Co, FM 2005, 17 Mar 2022, MIM, <https://www.inaturalist.org/observations/108897614>

Antaeotricha albulella, Hamilton Co, FM 2005, 19 Sep 2022, MIM, <https://www.inaturalist.org/observations/136379068>

Ethmia hodgesella, Hamilton Co, FM 2005, 12 Aug 2022, MIM, <https://www.inaturalist.org/observations/130689730>

Exaeretia gracilis, Williamson Co, New House of Jack, 24 Mar 2022, JC3

Elachistidae:

Elachista brachyelytrifoliella, Liberty Co, Trinity River NWR, 5 Aug 2022, SM3, <https://www.inaturalist.org/observations/130581691>

Erebidae:

Catocala grynea, Liberty Co, Trinity River NWR, 2 Jun 2022, SM3, <https://www.inaturalist.org/observations/120098437>

Crambidia cephalica, Williamson Co, New House of Jack, 11 Apr-23 Sep 2022, JC3

Eubolina impartialis, Hamilton Co, FM 2005, 15-19 Sep 2022, MIM, <https://www.inaturalist.org/observations/117495731>

Heteranassa mima, Liberty Co, Trinity River NWR, 20 Sep 2022, SM3, <https://www.inaturalist.org/observations/135842475>

Horama panthalon, Hamilton Co, FM 2005, 15 Sep-2 Nov 2022, MIM, <https://www.inaturalist.org/observations/135343288>

Hypocala andremona, Hamilton Co, FM 2005, 17 Sep-6 Nov 2022, MIM, <https://www.inaturalist.org/observations/135601690>

Hypocala andremona, Liberty Co, Trinity River NWR, 24 Oct 2022, SM3, <https://www.inaturalist.org/observations/140210520>

Lesmone detrahens, Hamilton Co, FM 2005, 25 Mar 2022, MIM, <https://www.inaturalist.org/observations/109572850>

Matigramma obscurior, Hamilton Co, FM 2005, 25 Sep 2022, MIM, <https://www.inaturalist.org/observations/137919090>

Melipotis acontioides, Dallas Co, Lochwood Neighborhood, 5 Dec 2022, AL3, <https://www.inaturalist.org/observations/143837515>

Melipotis cellaris, Edwards Co, Indian Creek Ranch, 6 May 2022, AL3, <https://www.inaturalist.org/observations/116650933>

Mocis texana, Hamilton Co, FM 2005, 19 Sep 2022, MIM, <https://www.inaturalist.org/observations/136379161>

Phytometra rhodarialis, Williamson Co, New House of Jack, 28 May 2022, JC3

Phytometra orgiae, Edwards Co, Indian Creek Ranch, 6 May 2022, AL3, <https://www.inaturalist.org/observations/116651775>

Spilosoma dubia, Hamilton Co, FM 2005, 26 Mar 2022, MIM, <https://www.inaturalist.org/observations/109667505>

Spilosoma dubia, Williamson Co, New House of Jack, 25 Mar-4 Apr 2022, JC3

Tetanolita floridana, Hamilton Co, FM 2005, 25 Mar 2022, MIM, <https://www.inaturalist.org/observations/109572997>

Toxonprucha excavata, Hamilton Co, FM 2005, 27 Oct 2022, MIM, <https://www.inaturalist.org/observations/140279881>

Virbia costata, Hamilton Co, FM 2005, 30 Apr-2 May 2022, MIM, <https://www.inaturalist.org/observations/114402356>

Virbia costata, **Williamson Co**, Hidden Springs Preserve, 23 Sep-8 Oct 2022, JC3

Zale calycanthata, **Hamilton Co**, FM 2005, 18 Mar-1 Apr 2022, MIM, <https://www.inaturalist.org/observations/108954696>

Gelechiidae:

Agnippe prunifoliella, **Williamson Co**, New House of Jack, 2 Apr-26 Jul 2022, JC3

Anacampsis comparanda, **Williamson Co**, New House of Jack, 22 Feb 2022, JC3, <https://www.inaturalist.org/observations/107266138>

Anacampsis paltodoriella, **Hamilton Co**, FM 2005, 2 Apr 2022, MIM, <https://www.inaturalist.org/observations/110313071>

Aristotelia fungivorella, **Hamilton Co**, FM 2005, 27 Oct 2022, MIM, <https://www.inaturalist.org/observations/140279847>

Bryotropha branella, **Williamson Co**, New House of Jack, 18 Sep 2022, JC3

Chionodes sevir, **Williamson Co**, New House of Jack, 27 May 2022, JC3

Coleotechnites australis?, **Liberty Co**, Trinity River NWR, 30 Jul 2022, SM3, tentative ID,

<https://www.inaturalist.org/observations/128801528>

Dichomeris citrifoliella, **Hamilton Co**, FM 2005, 23 Sep 2022, MIM, <https://www.inaturalist.org/observations/136468424>

Dichomeris setosella, **Williamson Co**, New House of Jack, 25-26 Jul 2022, JC3

Dichomeris ventrella, **Williamson Co**, New House of Jack, 9 Sep 2022, JC3

Fascista bimaculella, **Liberty Co**, Trinity River NWR, 22 Aug 2022, SM3, <https://www.inaturalist.org/observations/146661019>

Friseria cockerelli, **Hamilton Co**, FM 2005, 17 Mar 2022, MIM, <https://www.inaturalist.org/observations/108897569>

Glauce pectenalaella, **Liberty Co**, Trinity River NWR, 2 Feb 2022, SM3, <https://www.inaturalist.org/observations/106245807>

Gnarimoschema saphirinella, **Hamilton Co**, FM 2005, 8 Jan & 13 Oct 2022, MIM, <https://www.inaturalist.org/observations/104642946>

Helcystogramma chambersella, **Williamson Co**, New House of Jack, 13 Apr-4 Oct 2022, JC3

Isophrictis actinopa, **Hamilton Co**, FM 2005, 18 Sep 2022, MIM, <https://www.inaturalist.org/observations/135829295>

Monochroa quinquepunctella, **Hamilton Co**, FM 2005, 17-23 Sep 2022, MIM, <https://www.inaturalist.org/observations/135601541>

Neodactylota liguritrix, **Hamilton Co**, FM 2005, 25 Jun 2022, MIM, <https://www.inaturalist.org/observations/123559541>

Numata bipunctella, **Williamson Co**, New House of Jack, 13 May-3 Oct 2022, JC3

Sinoe kwakae, **Hamilton Co**, FM 2005, 11 Feb 2022, MIM, <https://www.inaturalist.org/observations/106612513>

Symmetrischema striatella, **Liberty Co**, Trinity River NWR, 8 Dec 2022, SM3, <https://www.inaturalist.org/observations/144106675>

Telphusa longifasciella, **Hamilton Co**, FM 2005, 14 Apr 2022, MIM, <https://www.inaturalist.org/observations/111542655>

Geometridae:

Exelis ophiurus, **Edwards Co**, Indian Creek Ranch, 7 May 2022, AL3, <https://www.inaturalist.org/observations/116983124>

Melanolophia canadaria, **Liberty Co**, Trinity River NWR, 6 Jun 2022, SM3, <https://www.inaturalist.org/observations/120758124>

Anavitrinella pampinaria, **Hamilton Co**, FM 2005, 18 Mar-27 Oct 2022, MIM, <https://www.inaturalist.org/observations/108954678>

Archirhoe neomexicana, **Liberty Co**, Trinity River NWR, 31 Oct 2022, SM3, <https://www.inaturalist.org/observations/140687413>

Digrammia delectata, **Williamson Co**, Hidden Springs Preserve, 7 Oct 2022, JC3, <https://www.inaturalist.org/observations/139124063>

Digrammia irrorata, **Hamilton Co**, FM 2005, 1-31 Jul 2022, MIM, <https://www.inaturalist.org/observations/124477958>

Digrammia pallorata, **Williamson Co**, Hidden Springs Preserve, 23 Sep-8 Oct 2022, JC3

Eubaphe unicolor, **Edwards Co**, Indian Creek Ranch, 8 May 2022, AL3, <https://www.inaturalist.org/observations/116484113>

Eupithecia bolterii, **Hamilton Co**, FM 2005, 19 Mar-8 Apr 2022, MIM, <https://www.inaturalist.org/observations/109069503>

Frederickia nigricomma, **Hamilton Co**, FM 2005, 1 Jul-10 Dec 2022, MIM, <https://www.inaturalist.org/observations/124477927>

Frederickia s-signata, **Hamilton Co**, FM 2005, 22 Oct 2022, MIM, <https://www.inaturalist.org/observations/139837117>

Holochroa dessociarius, **Hamilton Co**, FM 2005, 26 Mar 2022, MIM, <https://www.inaturalist.org/observations/109667586>

Hydriomena transfigurata, **Williamson Co**, New House of Jack, 4-5 Apr 2022, JC3

Idaea basinta, **Johnson Co**, Burleson, 25 Jul 2022, RSF

Idaea gemmata, **Edwards Co**, Indian Creek Ranch, 7 May 2022, AL3, <https://www.inaturalist.org/observations/116983278>

Iridopsis dataria, **Hamilton Co**, FM 2005, 5 Sep 2022, MIM, <https://www.inaturalist.org/observations/134263134>

Macaria graphidaria, **Hamilton Co**, FM 2005, 17-19 Sep 2022, MIM, <https://www.inaturalist.org/observations/135601631>

Numia bicolorata, **Hamilton Co**, FM 2005, 15-19 Sep 2022, MIM, <https://www.inaturalist.org/observations/135343312>

Protoproutia laredoata, **Williamson Co**, New House of Jack, 26 Sep 2022, JC3

Rindgea subterminata, **Williamson Co**, New House of Jack, 13 Oct 2022, JC3

Tornos abjectarius, **Liberty Co**, Trinity River NWR, 17 Jul 2022, SM3, <https://www.inaturalist.org/observations/126682117>

Gracillariidae:

Acrocercops quinquistrigella, **Liberty Co**, Trinity River NWR, 31 Oct 2022, SM3, <https://www.inaturalist.org/observations/140687411>

Caloptilia belfragella, **Liberty Co**, Trinity River NWR, 22 Oct 2022, SM3, <https://www.inaturalist.org/observations/139787735>

Leucospilapteryx venustella, **Liberty Co**, Trinity River NWR, 12 Sep 2022, SM3, <https://www.inaturalist.org/observations/135131577>

Heliodinidae:

Cycloplasis sp., **Hamilton Co**, FM 2005, 13 May 2022, MIM, <https://www.inaturalist.org/observations/117014667>

Heliozelidae:

Heliozela aesella, **Denton Co**, LLELA Nature Preserve, 16-30 Apr 2022, AL3, <https://www.inaturalist.org/observations/112011700>

Hesperiidae:

Erynnis horatius, **Delta Co**, Cooper Lake State Park, Doctors Creek Unit, 19 Mar 2022, AL3

Niconiades nikko, **Hidalgo Co**, Mission, 11 Dec 2022, RWB, 2nd known in US

Lacturidae:

Lactura subfervens, **Hamilton Co**, FM 2005, 8 Jan-24 Apr 2022, MIM, <https://www.inaturalist.org/observations/104642942>

Lasiocampidae:

Phyllodesma americana, **Hamilton Co**, FM 2005, 17-20 Mar 2022, MIM, <https://www.inaturalist.org/observations/108897641>

Limacodidae:

Adoneta gemina, **Liberty Co**, Trinity River NWR, 23 Apr-2 May 2022, SM3, <https://www.inaturalist.org/observations/112669263>

Apoda y-inversum, **Hamilton Co**, FM 2005, 13 May 2022, MIM, <https://www.inaturalist.org/observations/117014549>

Apoda latomia, Edwards Co, Indian Creek Ranch, 6 May 2022, AL3, <https://www.inaturalist.org/observations/116603325>

Lycaenidae:

Calycopis cecrops, Denton Co, TC Rice Nature Area, 11 Jun 2022, AL3

Lyonetiidae:

Leucoptera erythrinella, **Liberty Co**, Layl Drive, 9 Jul-13 Aug 2022, SM3, <https://www.inaturalist.org/observations/125551703>

Momphidae:

Mompha circumscriptella, **Hamilton Co**, FM 2005, 4 Jun 2022, MIM, <https://www.inaturalist.org/observations/120615384>

Nepticulidae:

Stigmella apicalbella, Dallas Co, Lochwood Neighborhood, 18 Jun-7 Sep 2022, AL3, <https://www.inaturalist.org/observations/134484254>

Zimmermania bosquella, Rusk Co, CR 216, 5 May 2020, JP6, <https://www.inaturalist.org/observations/44952880>, added to Knudson list

Noctuidae:

Acronicta atristrigatus, Williamson Co, New House of Jack, 26 Mar-4 Apr 2022, JC3

Acronicta connecta, **Williamson Co**, Hidden Springs Preserve, 23 Sep 2022, JC3

Anicla digna, **Williamson Co**, New House of Jack, 5 Mar-6 Apr 2022, JC3

Basilodes chrysopsis, **Hamilton Co**, FM 2005, 13 Oct 2022, MIM, <https://www.inaturalist.org/observations/138680844>

Cerma cora, **Liberty Co**, Trinity River NWR, 28 Mar 2022, SM3, <https://www.inaturalist.org/observations/109886450>

Cobubatha lixiva, **Hamilton Co**, FM 2005, 18 Sep 2022, MIM, <https://www.inaturalist.org/observations/135829429>

Cucullia lethe, Parker Co, Lake Mineral Wells State Park, 6 Sep 2022, AL3, <https://www.inaturalist.org/observations/134134756>

Dargida diffusa, **Hamilton Co**, FM 2005, 19 Mar 2022, MIM, <https://www.inaturalist.org/observations/109069437>

Dargida rubripennis, Fannin Co, Riverby Ranch, 17 Sep 2022, AL3, <https://www.inaturalist.org/observations/136373546>

Diastema chuza, **Val Verde Co**, East Blue Sage, Devils River, 10 Sep 2022, DGB, <https://www.inaturalist.org/observations/142552557>,

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Diastema tigris, **Hamilton Co**, FM 2005, 30 Oct 2022, MIM, <https://www.inaturalist.org/observations/140947247>

Dypterygia patina, **Williamson Co**, Hidden Springs Preserve, 8 Oct 2022, JC3, <https://www.inaturalist.org/observations/139179996>

Egira alternans, **Hamilton Co**, FM 2005, 26 Mar 2022, MIM, <https://www.inaturalist.org/observations/109667485>

Elaephria georgei, **Williamson Co**, New House of Jack, 27 Mar 2022, JC3

Eucoptocnemis fimbriaris, Rusk Co, CR 216, 3 Nov 2018, JP6, <https://www.inaturalist.org/observations/18054989>

Feltia herilis, **Williamson Co**, New House of Jack, 14-16 Oct 2022, JC3

Kocakina fidelis, **Hamilton Co**, FM 2005, 25 Mar 2022, MIM, <https://www.inaturalist.org/observations/109572864>

Leuconycta lepidula, **Hamilton Co**, FM 2005, 2 May 2022, MIM, <https://www.inaturalist.org/observations/115677569>

Lithacodia musta, **Hamilton Co**, FM 2005, 21-22 Oct 2022, MIM, <https://www.inaturalist.org/observations/139784701>

Morrisonia confusa, **Hamilton Co**, FM 2005, 17 Mar 2022, MIM, <https://www.inaturalist.org/observations/108897598>

Ogdoconta cinereola, **Hamilton Co**, FM 2005, 1 May 2022, MIM, <https://www.inaturalist.org/observations/115054655>

Ogdoconta tacna, **Williamson Co**, New House of Jack, 21 Feb 2022, JC3

Plagiomimicus tepperi, **Hamilton Co**, FM 2005, 15 Sep 2022, MIM, <https://www.inaturalist.org/observations/135343369>

Ponometia erastrioides, **Liberty Co**, Trinity River NWR, 28 Jun-4 Jul 2022, SM3, <https://www.inaturalist.org/observations/123971577>

Ponometia phecolisca, **Liberty Co**, Trinity River NWR, 18-20 Oct 2022, SM3, <https://www.inaturalist.org/observations/139470570>

Protodeltote muscosa, **Liberty Co**, Trinity River NWR, 29 May-9 Jun 2022, SM3, <https://www.inaturalist.org/observations/119262543>

Pyreferra hesperidago, **Liberty Co**, Trinity River NWR, 10 Feb 2022, SM3, <https://www.inaturalist.org/observations/106706594>

Schinia alencis, **Williamson Co**, New House of Jack, 12-13 Sep 2022, JC3

Schinia bimatrix, **Hamilton Co**, FM 2005, 22 Sep 2022, MIM,

https://www.inaturalist.org/observations?place_id=any&taxon_id=230523&user_id=lovebirder&verifiable=any

Schinia hanga, **Liberty Co**, Trinity River NWR, 30 Aug 2022, SM3, <https://www.inaturalist.org/observations/133156023>

Schinia oleagina, **Hamilton Co**, FM 2005, 11-23 Sep 2022, MIM, <https://www.inaturalist.org/observations/134935224>

Schinia sanguinea, **Williamson Co**, New House of Jack, 23 Sep 2022, JC3

Spragueia guttata, **Liberty Co**, Trinity River NWR, 2 May 2022, SM3, <https://www.inaturalist.org/observations/115836920>

Stiria rugifrons, **Williamson Co**, New House of Jack, 22-29 Sep 2022, JC3

Sympistis atricollaris, **Williamson Co**, New House of Jack, 27 May-7 Oct 2022, JC3

Sympistis dinalda, **Williamson Co**, New House of Jack, 11-13 May 2022, JC3, <https://www.inaturalist.org/observations/116779242>

Sympistis induta, **Williamson Co**, New House of Jack, 29 Apr-2 May 2022, JC3

Sympistis perscripta, **Williamson Co**, New House of Jack, 17 Mar-11 Apr 2022, JC3

Notodontidae:

Afilia luma, **Val Verde Co**, East Blue Sage, Devils River, 25 Sep 2020, DGB, <https://www.inaturalist.org/observations/126980966>, **STATE**

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Carboniclava alpica, Edwards Co, Indian Creek Ranch, 6 May 2022, AL3, <https://www.inaturalist.org/observations/116602857>

Coelodasys unicornis, **Hamilton Co**, FM 2005, 31 Mar-15 May 2022, MIM, <https://www.inaturalist.org/observations/110094063>

Furcula cinerea, **Hamilton Co**, FM 2005, 26 Mar 2022, MIM, <https://www.inaturalist.org/observations/109667496>

Rifargia subrotata, **Hamilton Co**, FM 2005, 29 Jul 2022, MIM, <https://www.inaturalist.org/observations/128491777>

Oecophoridae:

Ymeldia janae, **Liberty Co**, Trinity River NWR, 13 Aug 2022, SM3, <https://www.inaturalist.org/observations/130855723>

Peleopodidae:

Diurrantia piperatella, **Hamilton Co**, FM 2005, 14-15 Apr 2022, MIM, <https://www.inaturalist.org/observations/111542653>

Pterophoridae:

Hellinsia inquinatus, **Williamson Co**, New House of Jack, 13 Sep 2022, JC3

Michaelophorus indentatus, Williamson Co, New House of Jack, 13 Oct 2022, JC3

Stenoptilodes taprobanes, **Williamson Co**, New House of Jack, 4 Oct 2022, JC3

Pyralidae:

Adelphia petrella, **Hamilton Co**, FM 2005, 11 Feb-5 Jun 2022, MIM, <https://www.inaturalist.org/observations/106612497>
Aglossa disciferalis, **Williamson Co**, New House of Jack, 17 Apr 2022, JC3, <https://www.inaturalist.org/observations/113246099>
Alpheias oculiferalis, **Williamson Co**, New House of Jack, 12 Sep-4 Oct 2022, JC3, <https://www.inaturalist.org/observations/134861755>
Ancylosis morrisonella, **Hamilton Co**, FM 2005, 15 Apr 2022, MIM, <https://www.inaturalist.org/observations/111675770>
Ancylostoma stercorea, **Williamson Co**, New House of Jack, 16 Oct 2022, JC3
Atascosa glareosella, **Hamilton Co**, FM 2005, 26 Aug-17 Sep 2022, MIM, <https://www.inaturalist.org/observations/132719245>
Atascosa glareosella, Fannin Co, Riverby Ranch, 17 Sep 2022, AL3, <https://www.inaturalist.org/observations/136305556>
Atascosa glareosella, **Liberty Co**, Trinity River NWR, 24 Sep-1 Oct 2022, SM3, <https://www.inaturalist.org/observations/137338408>
Chararica hystriculella, **Hamilton Co**, FM 2005, 30 Jul-23 Sep 2022, MIM, <https://www.inaturalist.org/observations/128882490>
Dioryctria amatella, **Liberty Co**, Trinity River NWR, 5 Jul 2022, SM3, <https://www.inaturalist.org/observations/125871753>
Elasmopalpus lignosella, **Hamilton Co**, FM 2005, 8 Apr-9 Dec 2022, MIM, <https://www.inaturalist.org/observations/110855853>
Laetilia dilatifasciella, **Williamson Co**, New House of Jack, 12 Apr 2022, JC3, <https://www.inaturalist.org/observations/111363036>
Melitara prodenialis, **Liberty Co**, Trinity River NWR, 15 Aug 2022, SM3, <https://www.inaturalist.org/observations/131023967>
Moodna pallidostrinella, **Liberty Co**, Trinity River NWR, 17 Sep-24 Oct 2022, SM3, <https://www.inaturalist.org/observations/135611180>
Peoria opacella, **Williamson Co**, New House of Jack, 10 Apr 2022, JC3, <https://www.inaturalist.org/observations/111111169>
Quasisalebria atratella, **Williamson Co**, Hiddlen Springs Preserve, 23 Sep 2022, JC3, <https://www.inaturalist.org/observations/136518108>
Reynosa floscella, **Williamson Co**, New House of Jack, 12 Sep-9 Oct 2022, JC3, <https://www.inaturalist.org/observations/134913558>
Salebriaria ademptandella, **Williamson Co**, New House of Jack, 23 Apr-13 Sep 2022, JC3, <https://www.inaturalist.org/observations/112539035>
Salebriaria pumilella, **Williamson Co**, New House of Jack, 12 May-23 Sep 2022, JC3, <https://www.inaturalist.org/observations/116796333>
Salebriaria roseopunctella, **Williamson Co**, New House of Jack, 10 Aug 2022, JC3, <https://www.inaturalist.org/observations/121261398>
Salebriaria turpidella, **Williamson Co**, New House of Jack, 16 Jun-2 Sep 2022, JC3, <https://www.inaturalist.org/observations/122182309>
Sciota rubrisparsella, **Hamilton Co**, FM 2005, 10 Sep 2022, MIM, <https://www.inaturalist.org/observations/134631756>
Sciota subcaesiella, **Hamilton Co**, FM 2005, 29 Jul 2022, MIM, <https://www.inaturalist.org/observations/128491794>
Sciota subfuscella, **Williamson Co**, New House of Jack, 20 Jun-19 Sep 2022, JC3, <https://www.inaturalist.org/observations/122827453>

Sesiidae:

Carmenta albociliata, **Williamson Co**, Hiddlen Springs Preserve, 8 Oct 2022, JC3

Sphingidae:

Aellopos titan, **Hamilton Co**, FM 2005, 23 Oct 2022, MIM, <https://www.inaturalist.org/observations/140018911>
Amphion floridensis, **Hamilton Co**, FM 2005, 25 Jun 2022, MIM, <https://www.inaturalist.org/observations/123417702>

Tineidae:

Acrolophus minor, **Williamson Co**, New House of Jack, 20 Apr 2022, JC3
Homoseitia bifasciella, **Hamilton Co**, FM 2005, 14-30 Apr 2022, MIM, <https://www.inaturalist.org/observations/111542680>
Nemapogon defectella, **Williamson Co**, New House of Jack, 4 Apr-9 Jun 2022, JC3
Nemapogon multistriatella, **Williamson Co**, New House of Jack, 6 Apr 2022, JC3
Tinea apicimaculella, **Hamilton Co**, FM 2005, 2 Jul 2022, MIM, <https://www.inaturalist.org/observations/124599624>

Tischeriidae:

Coptotriche citrinipennella, **Williamson Co**, New House of Jack, 6 Apr-15 Jun 2022, JC3, <https://www.inaturalist.org/observations/110664572>
Coptotriche sp., **Liberty Co**, Trinity River NWR, 24 May-14 Aug 2020, SM3, <https://www.inaturalist.org/observations/146635682>, recently IDed by C. Eiseman
Tischeria quercitella, **Williamson Co**, New House of Jack, 11 Apr 2022, JC3
Tischeria quercitella, **Liberty Co**, Trinity River NWR, 27 Sep 2017 & 13 Sep 2019, SM3, <https://bugguide.net/node/view/1456002>, recently IDed by C. Eiseman

Tortricidae:

Aethes baloghi, **Williamson Co**, New House of Jack, 20 Jun 2022, JC3
Aethes heleniana, **Williamson Co**, New House of Jack, 8 Jun-25 Jul 2022, JC3, <https://www.inaturalist.org/observations/120954580>, **STATE RECORD**
Ancylis cordiae, Val Verde Co, East Blue Sage, Devils River, 18 Dec 2021, DGB, <https://www.inaturalist.org/observations/103480828>
Cenopis diluticostana, **Liberty Co**, Trinity River NWR, 5 May 2022, SM3, <https://www.inaturalist.org/observations/116096588>
Choristoneura fractivittana, **Liberty Co**, Trinity River NWR, 1 Apr 2022, SM3, <https://www.inaturalist.org/observations/110396641>
Cochylis caulocatax, **Williamson Co**, New House of Jack, 29 Apr-26 Sep 2022, JC3
Cydia ingens, **Liberty Co**, Trinity River NWR, 17 May 2022, SM3, <https://www.inaturalist.org/observations/117678426>
Epiblema abruptana, **Hamilton Co**, FM 2005, 30 Apr-19 Sep 2022, MIM, <https://www.inaturalist.org/observations/114401962>
Epiblema luctuosissima, **Hamilton Co**, FM 2005, 16 Feb-4 Jun 2022, MIM, <https://www.inaturalist.org/observations/106936141>
Epiblema luctuosissima, **Williamson Co**, New House of Jack, 14 Mar-27 Jun 2022, JC3
Epiblema tripartitana, **Liberty Co**, Trinity River NWR, 4-9 Jul 2022, SM3, <https://www.inaturalist.org/observations/124802201>
Epinotia vertumna, **Williamson Co**, New House of Jack, 14 Mar 2022, JC3, <https://www.inaturalist.org/observations/108654231>, **STATE RECORD**
Eucosma spiculana, **Hamilton Co**, FM 2005, 25 Mar-2 Apr 2022, MIM, <https://www.inaturalist.org/observations/109572805>
Goditha bumeliana, **Hamilton Co**, FM 2005, 3 Jun 2022, MIM, <https://www.inaturalist.org/observations/120211949>
Gretchena bolliana, **Hamilton Co**, FM 2005, 5 Jun 2022, MIM, <https://www.inaturalist.org/observations/120615572>
Monoceratuncus lantana, **Williamson Co**, New House of Jack, 27 Sep 2022, JC3, <https://www.inaturalist.org/observations/136972149>, **STATE RECORD**
Pandemis limitata, **Liberty Co**, Trinity River NWR, 30 Jul 2022, SM3, <https://www.inaturalist.org/observations/128801518>

Paralobesia vernoniana, **Dallas Co**, Lochwood Neighborhood, 5 Mar 2022, AL3, <https://www.inaturalist.org/observations/108081950>

Pelochrista cataclystiana, **Williamson Co**, New House of Jack, 22 May 2022, JC3

Pelochrista notialis, **Hamilton Co**, FM 2005, 4 Jun 2022, MIM, <https://www.inaturalist.org/observations/120615427>

Pelochrista pallidipalana, **Hamilton Co**, FM 2005, 9 Sep 2022, MIM, <https://www.inaturalist.org/observations/134523755>

Pelochrista vagana, **Williamson Co**, New House of Jack, 15-28 May 2022, JC3

Pseudexentera haracana, **Hamilton Co**, FM 2005, 17 Mar-16 Apr 2022, MIM, <https://www.inaturalist.org/observations/108897547>

Pseudexentera haracana, **Williamson Co**, New House of Jack, 5 Mar-4 Apr 2022, JC3

Pseudexentera hodsoni, **Williamson Co**, New House of Jack, 22 Feb-6 Apr 2022, JC3

Pseudexentera mali, **Williamson Co**, New House of Jack, 4 Mar 2022, JC3, <https://www.inaturalist.org/observations/107905032>, **STATE RECORD**

Rhopobotra finitimana, **Williamson Co**, New House of Jack, 25 Sep 2022, JC3, <https://www.inaturalist.org/observations/136639961>

Rolandylis sp., **Liberty Co**, Trinity River NWR, 3 Apr-2 Jun 2022, SM3, <https://www.inaturalist.org/observations/112669284>, possibly *R. fusca*

Sparganothis sulfureana, **Williamson Co**, Granger Lake, 6 Mar 2022, JC3

Suleima baracana, **Williamson Co**, New House of Jack, 22-26 May 2022, JC3, <https://www.inaturalist.org/observations/118414277>

Thyraylia bana, **Williamson Co**, New House of Jack, 26-27 Jul 2022, JC3, <https://www.inaturalist.org/observations/128061511>

Thyraylia voxcana, **Williamson Co**, New House of Jack, 18 Jun 2022, JC3, <https://www.inaturalist.org/observations/122368618>, **STATE RECORD**

Yponomeutidae:

Zelleria ochroplagiata, **Liberty Co**, Trinity River NWR, 1 Feb 2018 & 25 Jan 2021, SM3, <https://www.inaturalist.org/observations/68743987>, **STATE RECORD**, possible ID by Steve Nanz & Aaron Hunt but could be *Z. semitincta*

Zelleria ochroplagiata, **Hamilton Co**, FM 2005, 8 Jan & 12 Dec 2022, MIM, <https://www.inaturalist.org/observations/104642944>

Zone 7: Ontario/Quebec

Coordinator Kyle E. Johnson

Contributors: Julien Delisle (JD), Kyle Johnson (KEJ), Alan Macnaughton (AM)

Few reports were received, all from Ontario.

Alan Macnaughton reported an impressive suite of new Ontario provincial records, gathered from iNaturalist. Many of these had not been previously reported from Canada, per *Annotated Checklist of the Moths and Butterflies of Canada and Alaska* (Pohl et al. 2018). Southern Ontario lepidopterists are in a good position to add new species to the Canadian fauna, given the plethora of as-of-yet undiscovered species known from adjacent U.S. states.

Julien Delisle reported a single record from the Ottawa area.

Kyle Johnson conducted biodiversity surveys August 13-15 in the Agassiz Clay Plain ecoregion near Lake of the Woods (Rainy River District), focusing on peatlands and lakeshore areas. Efforts yielded 219 species, including one provincial record. Many records are likely new “county” records (this is a weakly sampled part of the province) but are not reported as such since historical data are not yet readily available for comparison. An extreme wet spring (with flooding in peatlands) cancelled a planned May-June trip to the region, but water levels returned to normal conditions by August. Overall abundance and diversity seemed fair to moderate.

RECORDS:

Ontario:

Acrolophidae:

Acrolophus plumifrontella, **Essex Co**, Windsor, 18 Jul 2022, Alan Macnaughton, leg. Mark Nenadov, **PROVINCIAL RECORD, CANADA RECORD**

Acrolophus propinqua, **Essex Co**, Harrow, 20 Jul 2021, Alan Macnaughton, **PROVINCIAL RECORD, CANADA RECORD**

Coleophoridae:

Coleophora umbratica, **Peterborough Co**, 25 May 2022, Alan Macnaughton, leg. Michael H. King, **PROVINCIAL RECORD, CANADA RECORD**

Crambidae:

Crambus alienellus, Rainy River Co, off Lake Corner, 13 Aug 2022, KEJ
Crambus lyonsellus, Rainy River Co, Agassiz Peatland, 14 Aug 2022, KEJ
Herpetogramma aquilonalis, Rainy River Co, Lake of the Woods, Kreger Beach, 14 Aug 2022, KEJ
Terastia meticulousalis, **Chatham-Kent Co**, Rondeau Provincial Park, 17 Jun 2022, Alan Macnaughton, leg. iNaturalist username 'edward merks3141', **PROVINCIAL RECORD, CANADA RECORD**

Depressariidae:

Menesta tortriciformella, **Muskoka Co**, Bracebridge, 12 Jun 2022, Alan Macnaughton, leg. Paul Judson, 1st Canadian record on iNaturalist

Erebidae:

Apantesis speciosa, Rainy River Co, Spruce Islands Peatland, 15 Aug 2022, KEJ
Mycterophora inexplicata, Rainy River Co, off Lake Corner, 13 Aug 2022, KEJ
Parahyphenodes quadralis, Rainy River Co, Spruce Islands Peatland, 15 Aug 2022, KEJ

Gelechiidae:

Dichomeris agonia, **Essex Co**, Harrow, 17 Aug 2021, Alan Macnaughton, 1st Canadian record on iNaturalist, only one prior ON record (C. Schmidt pers. comm.)
Gelechia ribesella, **Thunder Bay Co**, Terrace Bay, 22 Aug 2022, Alan Macnaughton, leg. Kathy Whitton, **PROVINCIAL RECORD**
Xenolechia ceanothiae, **Norfolk Co**, Walsingham, 4 Oct 2022, Alan Macnaughton, leg. John Klymko, 1st Canadian record on iNaturalist

Geometridae:

Epirrhoe sperryi, Ottawa Co, Burnt Lands Alvar, 20 May 2022, Julien Delisle, flying during day, 2-3pm

Gracillariidae:

Caloptilia porphyretica, **Norfolk Co**, St. Williams, 29 Jul 2020, Alan Macnaughton, leg. Eric Giles, **PROVINCIAL RECORD, CANADA RECORD**

Lycaenidae:

Satyrium acadica, Rainy River Co, off Lake Corner, 14 Aug 2022, KEJ
Satyrium titus, Rainy River Co, off Lake Corner, 14 Aug 2022, KEJ

Noctuidae:

Bellura brehmei, Rainy River Co, Lake of the Woods, Kreger Beach, 14 Aug 2022, KEJ
Eremobina claudens, Rainy River Co, Agassiz Peatland, 14 Aug 2022, KEJ
Sericaglaea signata, **Essex Co**, Cedar Creek Conservation Area, 12 Apr 2021, Alan Macnaughton, leg. Mark Nenadov, 1st Canadian record on iNaturalist, only one prior ON record (C. Schmidt pers. comm.)
Xestia mixta, Rainy River Co, off Lake Corner, 13 Aug 2022, KEJ

Nymphalidae:

Boloria chariclea grandis, Rainy River Co, Barnhart Peatlands, 14 Aug 2022, KEJ
Danaus plexippus, Rainy River Co, off Lake Corner, 14 Aug 2022, KEJ

Oecophoridae:

Fabiola tecta, **Muskoka Co**, Bracebridge, 23 Jul 2022, Alan Macnaughton, leg. Paul Judson, **PROVINCIAL RECORD, CANADA RECORD**

Pterophoridae:

Platytilia comstocki, **Haliburton Co**, Dysart, 13 Jun 2019, Alan Macnaughton, leg. Ed Poropat, **PROVINCIAL RECORD**

Pyralidae:

Interjectio nivella, **Rainy River Co**, Spruce Islands Peatland, 15 Aug 2022, KEJ, **PROVINCIAL RECORD**

Saturniidae:

Eacles imperialis imperialis, **Norfolk Co**, St. Williams, 19 Jul 2022, Alan Macnaughton, leg. David Okines, this subspecies has not been reported in Canada since the early 1980's (C. Schmidt pers. comm.)

Tortricidae:

Aethes matthewcruzi, **Frontenac Co**, Wolfe Island, 25 Aug 2017, Alan Macnaughton, leg. Mike V. A. Burrell, **PROVINCIAL RECORD, CANADA RECORD**
Dichrorampha vanancouverana, **Peel Co**, Brampton, 24 Jul 2022, Alan Macnaughton, leg. Michael H. King, **PROVINCIAL RECORD**
Epinotia momonana, Rainy River Co, off Lake Corner, 13 Aug 2022, KEJ
Gynnidomorpha romonana, Rainy River Co, Agassiz Peatland, 14 Aug 2022, KEJ
Sparganothis distincta, **Chatham-Kent Co**, Rondeau Provincial Park, 17 Sep 2022, Alan Macnaughton, leg. P. Allen Woodliffe, **PROVINCIAL RECORD**

Zone 8: Midwest: Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, Ohio, West Virginia, Wisconsin
Coordinator: Eric P. Olson

Contributors: Steven Bransky (SCB), David Grosshuesch (DG1), Gary Hinds (GH), Lisa Jemtrud (LJ), Kyle E. Johnson (KEJ), Dave & Bonnie MacLean (DBM), Scott MacLean (SM4), Jerry McCormick (JM7), Paul Rumpsa (PR), James & Pat Sanders (JPS), Brian G. Scholtens (BGS), Kevin Taylor (KAT), Paul Thompson (PT1)

David MacLean sent in the following report for northern Minnesota:

April and early May 2022 featured below average temperatures and heavy snowpack in much of the higher terrain of the Minnesota Arrowhead that delayed the emergence of many spring butterflies and moths. The average April temperature for northeast Minnesota was seven degrees below normal with 5 degrees below zero recorded east of Ely. Snow maps for April 28, showed that much of the higher terrain of Cook and Lake Counties ranged from 12 to 30+ inches <https://www.dnr.state.mn.us/climate/snowmap/snow-depth-map-april-28-2022.html>. Snow depths of 1–2 feet in Cook County were reported well into May. Late winter snowstorms and heavy rain in May resulted in rapid snowmelt and flooding that washed out roads making it impossible to search for butterflies in many areas of Cook and Lake Counties. Much of northeast Minnesota hardest-hit by the major drought of 2021 became extremely wet during the 2022 spring, leading to high stream and lake levels in northern parts of the state, where some areas experienced historic flooding <https://www.dnr.state.mn.us/climate/journal/wet-conditions-return-2022.html>.

Generally, the number and abundance of butterfly and moth species was lower in 2022 than in previous years. Few butterfly species were seen in May likely due to cool conditions in April that averaged seven degrees below normal for northeastern Minnesota. Heavy snowpack and extreme flooding closed and washed-out roads in Cook, Lake and St. Louis Counties which made travel impossible in many areas. These extreme weather events no doubt hampered sampling efforts for spring butterflies.

In spite of below normal temperatures, *Nymphalis antiopa* was recorded on May 5 in Cook County, *Thorybes pylades* on the 11th and *Celastrina ladon* on the 28th. Pat Thomas of Duluth (St. Louis Co.) recorded *Pieris rapae* on May 17 and *Celastrina ladon* on the 17th in Carlton County. *Pterourus canadensis* was recorded at many sites but numbers were much lower than most years. Numbers of *Pieris rapae*, *Colias philodice* and *C. eurytheme* were low. Pat Thomas recorded *philodice* on September 13 from St. Louis County. Jim and Pat Sanders reported only one *Colias interior* from the Cook County count. The number of *Lycaeides idas nabokovi* recorded in 2022 vs 2021 was significantly lower at both the Northern Blue/Bilberry Management Project (Cook Co.) (293 vs 1,580) and at McNair (St. Louis Co.) (76 vs 236) than in 2021. *Polygonia faunus* was uncommon and the only *Polygonia* species recorded. Again, *Polygonia progne* was not recorded. The *Speyeria* population crashed in 2022 with only four records of *S. atlantis* reported from Cook and Lake Counties. *Nymphalis antiopa* was common in May and early June but few were seen in late summer. *Nymphalis l-album* were lower than previous years as was *Danaus plexippus*. Pat Thomas recorded *plexippus* only three times, May 15, June 19 and September 13 in St. Louis Co. Gary Hinds of Hinckley (Pine County) reported only one Monarch record on August 19. Scott MacLean of Mankato (Blue Earth Co.) recorded *D. plexippus* only on July 9, 10 and September 19.

In spite of fewer butterfly species and lower populations in 2022, interesting butterfly records included *Megisto cymela*, *Coenonympha tullia* and *Lethe eurydice* from McNair, St. Louis County on July 13. A bright spot was the sighting of a single *Euchloe ausinoides* flying along the roadside of the upper Gunflint Trail (CR 12) on June 7, the first sighting of *ausinoides* in four years. The larval host plant, *Arabis glabra* was once again found in the well-drained sandy soil of the upper Gunflint Trail, evidence that this beautiful spring butterfly will again be seen in May along the upper Gunflint Trail. On August 10, Pat Thomas of Duluth, photographed *Epargyreus clarus*, an uncommon skipper in northern Minnesota. To cap off the season, Jim and Pat Sanders photographed the Sagem, *Atalopedes campestris*, identified by Robert Dana, a southern migrant on September 10 in Duluth, Minnesota.

Based on Black Light records, *Actias luna* numbers were up somewhat in 2022. Dan Bauman reports seeing several *luna* or *Polyphemus* larvae. However, fewer species and numbers of macrolepidoptera were recorded in 2022 than in 2021. Late dates were recorded for *Malacosoma disstria*, *Lithophane unimoda* and *L. pexata*.

Photos submitted by Kyle Johnson (WI) and Dave MacLean (MN).



Eriocraniella platyptera, WI, Monroe Co., Fort McCoy, 11 May 2022, State Record, significant range extension.



Eucosma landana, WI, Monroe Co., Fort McCoy, 11 May 2022, 2nd WI record and county record; few reports of this species globally.



Catocala briseis nectaring on a day lily in DBM garden, 16 Sep 2019.

RECORDS:

Illinois:

Depressariidae:

Agonopteryx alstroemeriana, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Geometridae:

Palaeocrita vernata, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Phigalia strigataria, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Phigalia titea, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Noctuidae:

Copivaleria grotei, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Eupsilia devia, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Eupsilia morrisoni, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Lithophane unimoda, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Orthosia alurina, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Orthosia hibisci, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Psaphida electilis, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Psaphida resumens, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Psaphida rolandi, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Tortricidae:

Acleris subnivana, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Epinotia vertumnana, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Pseudexentera cressoniana, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Pseudexentera spoliata, **Winnebago Co**, Mary Sackett Prairie, 21 Apr 2022, KEJ

Michigan:

Bucculatricidae:

Bucculatrix ainliella, Cheboygan Co, Univ. of Mich. Bio. Station, 45.485N 84.683W, 23 Jul 2022, BGS, ex larva on *Quercus rubra*, taken 27 Jun 2022

Bucculatrix coronatella, **Cheboygan Co**, Wildwood Rd., 45.365N 84.653W, 5 Aug 2022, BGS, ex pupa on *Quercus rubra*, taken 11 Jul 2022, **STATE RECORD**

Coleophoridae:

Coleophora comptoniella, **Cheboygan Co**, Webb Rd @ turn before ranch., 45.2765N 84.5056W, 4 Jun 2022, BGS, case on *Comptonia peregrina*

Coleophora comptoniella, Cheboygan Co, Webb Rd, E of Pigeon River, 45.272N 84.444W, 4 Jun 2022, BGS, case on *Ostrya*

Coleophora comptoniella, Cheboygan Co, Univ. of Mich. Bio. Station, rd to hilltop, 45.558N 84.674W, 8 Jul 2022, BGS, case on *Ostrya*

Coleophora comptoniella, Emmet Co, Wilderness SP, Nebo trail, 45.752N 84.878W, 24 Jun 2022, BGS, case on *Betula papyrifera*

Coleophora cornella, **Cheboygan Co**, Webb Rd, Pigeon River NA, 45.272N 84.476W, 4 Jun 2022, BGS, cases on *Cornus*

Coleophora cornivorella, **Cheboygan Co**, Dingman Marsh @ dam, 45.716N 84.685W, 6 Aug 2022, BGS, cases on *Cornus stolonifera*, **STATE RECORD**

Coleophora corylifoliella, **Cheboygan Co**, Webb Rd, E of Pigeon River, 45.272N 84.444W, 4 Jun-26 Jul 2022, BGS, cases on *Corylus*

Coleophora elaeagnisella, Emmet Co, Wilderness SP, Waugochance Pt, 45.758N 84.872W, 13-30 Jul 2022, BGS, ex larval case on

Shepherdia canadensis, taken 24 Jun 2022

Coleophora glaucella, **Cheboygan Co**, Wildwood Rd., 45.365N 84.653W, 10 Aug 2022, BGS, case on *Arctostaphylos uva-ursi*, **STATE RECORD**

Coleophora laricella, Cheboygan Co, Webb Rd, Pigeon River NA, 45.272N 84.476W, 20 Jun 2022, BGS, ex larval case on *Larix laricina*, taken 4 Jun 2022

Coleophora limosipennella, Cheboygan Co, Dingman Marsh @ dam, 45.716N 84.685W, 22 Jun-6 Aug 2022, BGS, ex larval case on *Ulmus americana*, taken 13 Jul 2022

Coleophora monardella, **Cheboygan Co**, Wildwood Rd., 45.365N 84.653W, 8 Jun 2022, BGS, case on *Monarda fistulosa*

Coleophora multipulvella, **Emmet Co**, Wilderness SP, Waugochance Pt, 45.758N 84.872W, 15 Jul 2022, BGS, ex pupa on *Prunus*, 9 Jul 2022

Coleophora multipulvella, **Cheboygan Co**, Wildwood Rd., 45.365N 84.653W, 8 Jun 2022, BGS, case on *Prunus*

Coleophora pruniella, Cheboygan Co, Univ. of Mich. Bio. Station, Greenstar Meadow, 45.557N 84.650W, 10 Jul 2022, BGS, ex larval case on *Prunus serotina*, taken 28 May 2022

Coleophora quercicella, **Cheboygan Co**, Univ. of Mich. Bio. Station, Greenstar Meadow, 45.557N 84.650W, 3 Jul 2022, BGS, ex larval case on *Quercus rubra*, taken 28 May 2022

Coleophora serratella, Emmet Co, Wilderness SP, Nebo trail, 45.752N 84.878W, 3 Jul 2022, BGS, ex pupa case on *Betula papyrifera*, taken 24 Jun 2022

Depressariidae:

Agonopterix pulvipennella, **Gladwin Co**, Black Creek, 16 Jan 2022, KEJ

Depressaria depressana, **Emmet Co**, Wilderness SP, entrance sign, 45.749N 84.859W, 3-4 Aug 2022, BGS, ex larva on *Pastinaca sativa*, taken 28 Jul 2022, **STATE RECORD**

Epermeniidae:

Epermenia alba punctella, **Emmet Co**, Durkalic Rd, 45.562N 84.833W, 6 Aug 2022, BGS, ex larva on *Daucus carota*, taken 23 Jul 2022

Gelechiidae:

Aristotelia isopelta, **Cheboygan Co**, Univ. Mich. Biol. Sta., Lakeside Lab, 45.5605N 84.6765W, 19 Aug 2022, BGS, ex larva on *Oenothera biennis*, taken 19 Jul 2022, **STATE RECORD**

Aristotelia isopelta, Cheboygan Co, beginning of Hebron Mail Rt Rd, 45.649N 84.610W, 29 Aug-2 Sep 2022, BGS, ex larva on *Oenothera biennis*, taken 6 Aug 2022

Athrips mouffetella, Cheboygan Co, Dingman Marsh @ dam, 45.716N 84.685W, 3 Jul 2022, BGS, ex larva on *Lonicera*, taken 19 May 2022

Coleotechnites piceaella, **Cheboygan Co**, Dingman Marsh, 45.716N 84.683W, 21 Jun 2022, BGS, ex larva on *Picea*, taken 19 May 2022 in webbing

Gnarimoschema gallaesolidaginis, **Emmet Co**, Univ. Mich. Biol. Sta., field on Robinson Rd, 45.557N 84.650W, 29 Aug-2 Sep 2022, BGS, ex pupa from gall on *Solidago canadensis*, taken 26 Aug 2022

Monochroa robusta, **Emmet Co**, Bear River Rd, 45.485N 84.683W, 13 Jul 2022, BGS, ex larva on *Scirpus*, taken 2 Jul 2022, **STATE RECORD**

Gracillariidae:

Acrocercops astericola, Cheboygan Co, Mud Lake bog., 45.606N 84.597W, 6-12 Aug 2022, BGS, ex larva on *Euthamia graminifolia*, taken 16 Jul 2022

Caloptilia rhoifoliella, Cheboygan Co, beginning of Hebron Mail Rt Rd, 45.649N 84.610W, 15 Aug 2022, BGS, ex larva on *Rhus*, taken 6 Aug 2022

Cameraria guttifinitella, **Emmet Co**, Wilderness SP, Bliss Beach, 45.684N 84.972W, 2-4 Aug 2022, BGS, ex larva on *Toxicodendron radicans*, taken 25 Jul 2022

Cameraria hamadryadella, Cheboygan Co, Wildwood Rd., 45.365N 84.653W, 27-30 Jul 2022, BGS, ex larva on *Quercus alba*, taken 11 Jul 2022

Cameraria lentella, Cheboygan Co, Univ. Mich. Biol. Sta., trail from Houghton Lab, 45.5600N 84.6764W, 21-23 Jul 2022, BGS, ex larva on *Ostrya*, taken 4 Jul 2022

Cameraria ulmella, **Emmet Co**, Gill Rd, 45.695N 84.845W, 6 Aug 2022, BGS, ex larva on *Ulmus americana*, taken 25 Jul 2022

Chrysaster ostensackenella, Cheboygan Co, Univ. Mich. Biol. Sta., trail from Houghton Lab, 45.5600N 84.6764W, 23 Jul 2022, BGS, ex larva on *Robinia pseudacacia*, taken 4 Jul 2022

Cremastobombycia solidaginis, Cheboygan Co, Univ. Mich. Biol. Sta., pipeline cut, 45.570N 84.640W, 2 Aug 2022, BGS, ex pupa on *Solidago canadensis*, taken 30 Jul 2022

Cremastobombycia solidaginis, **Emmet Co**, Durkalic Rd, 45.562N 84.833W, 1 Aug 2022, BGS, ex larva on *Solidago canadensis*, taken 23 Jul 2022

Macrosaccus robiniella, Cheboygan Co, Univ. Mich. Biol. Sta., entrance rd, 45.5597N 84.6707W, 24 Jul 2022, BGS, ex larva on *Robinia pseudacacia*, taken 4 Jul 2022

Paractopa robiniella, Emmet Co, Wilderness SP, Bliss Beach, 45.684N 84.972W, 10 Aug 2022, BGS, ex larva on *Robinia pseudacacia*, taken 25 Jul 2022

Paractopa robiniella, Cheboygan Co, Univ. Mich. Biol. Sta., trail from Houghton Lab, 45.5600N 84.6764W, 10 Aug 2022, BGS, ex larva on *Robinia pseudacacia*, taken 24 Jul 2022

Parornix preciosella, **Cheboygan Co**, Univ. Mich. Biol. Sta., Carp Creek @ Hogsback Rd, 45.549N 84.683W, 18 Jul 2022, BGS, ex larva on *Vaccinium*, taken 30 Jun 2022, **STATE RECORD**

Parornix quadripunctella, **Cheboygan Co**, Univ. of Mich. Bio. Station, end of Hogsback Rd, 45.5472N 84.6642W, 18 Jul 2022, BGS, ex larva on *Prunus*, taken 30 Jun 2022, **STATE RECORD**

Parornix quadripunctella, Cheboygan Co, Univ. of Mich. Bio. Station, rd to hilltop, 45.558N 84.674W, 26 Jul 2022, BGS, ex larva on *Amalanchier*, taken 8 Jul 2022

Parornix vicinella, **Cheboygan Co**, Dingman Marsh @ dam, 45.716N 84.685W, 13-17 Jul 2022, BGS, ex larva on *Betula papyrifera*, taken 22 Jun 2022, **STATE RECORD**

Parornix vicinella, Cheboygan Co, Univ. of Mich. Bio. Station, Indian Pt, 45.485N 84.683W, 18 Jul 2022, BGS, ex larva on *Betula papyrifera*, taken 27 Jun 2022

Parornix vicinella, Cheboygan Co, Hebron Rd and Potter Rd, 45.708N 84.650W, 25 Aug 2022, BGS, ex larva on *Betula papyrifera*, taken 6 Aug 2022

Parornix vicinella, **Emmet Co**, Wilderness SP, Waugochance Pt, 45.758N 84.872W, 28 Jul 2022, BGS, ex pupa on *Betula papyrifera*, taken 9 Jul 2022

Phyllocnistis populiella, Emmet Co, Wilderness SP, Sturgeon Bay dunes, 45.711N 84.943W, 1-6 Aug 2022, BGS, ex larva on *Salix*, taken 25 Jul 2022

Phyllocnistis populiella, Emmet Co, Wilderness SP, entrance sign, 45.749N 84.859W, 28 Jul 2022, BGS, ex larva on *Populus balsamifera*, taken 9 Jul 2022

Phyllocnistis populiella, Cheboygan Co, Wildwood Rd., 45.365N 84.653W, 9 Jul 2022, BGS, ex larva on *Populus tremuloides*, taken 1 Jul 2022

Phyllocnistis vitifoliella, Cheboygan Co, Univ. of Mich. Bio. Station, rd to hilltop, 45.558N 84.674W, 19 Jul 2022, BGS, ex larva on *Vitis riparia*, taken 8 Jul 2022

Phyllonorycter apparella, Emmet Co, Univ. of Mich. Bio. Station, Pellston plains, 45.563N 84.746W, 13-21 Jul 2022, BGS, ex larva on *Populus tremuloides*, taken 11 Jul 2022

Phyllonorycter basistrigella, Cheboygan Co, Wildwood Rd., 45.365N 84.653W, 13 Aug 2022, BGS, ex pupa on *Quercus alba*, taken 10 Aug 2022

Phyllonorycter lucetiella, Cheboygan Co, beginning of Hebron Mail Rt Rd, 45.649N 84.610W, 23-25 Jul 2022, BGS, ex larva on *Tilia americana*, taken 13 Jul 2022

Phyllonorycter lucidicostella, Emmet Co, Wilderness SP, Sturgeon parking lot, 45.703N 84.952W, 2 Aug 2022, BGS, ex larva on *Acer saccharum*, taken 25 Jul 2022

Phyllonorycter maestingella, **Cheboygan Co**, Univ. of Mich. Bio. Station, Indian Pt, 45.485N 84.683W, 17 Jul 2022, BGS, ex larva on *Fagus grandifolia*, taken 6 Jul 2022, **STATE RECORD** (reidentification)

Phyllonorycter maestingella, Cheboygan Co, Univ. of Mich. Bio. Station, pipeline cut, 45.570N 84.640W, 9 Aug 2022, BGS, ex pupa on *Fagus grandifolia*, taken 30 Jul 2022

Phyllonorycter nipigon, Emmet Co, Wilderness SP, entrance sign, 45.749N 84.859W, 9 Aug 2022, BGS, ex larva on *Populus balsamifera*, taken 28 Jul 2022

Phyllonorycter nipigon, Cheboygan Co, Potter Rd, 45.715N 84.662W, 19 Aug 2022, BGS, ex pupa on *Populus balsamifera*, taken 14 Aug 2022

Phyllonorycter obscuricostella, **Emmet Co**, Durkalic Rd, 45.562N 84.833W, 19 Aug 2022, BGS, ex larva on *Ostrya*, taken 9 Aug 2022, **STATE RECORD**

Phyllonorycter ostryaefoliella, Cheboygan Co, Univ. of Mich. Bio. Station, Indian Pt, 45.485N 84.683W, 23 Jul 2022, BGS, ex larva on *Ostrya*, taken 27 Jun 2022

Phyllonorycter tritaenianella, **Emmet Co**, Durkalic Rd, 45.562N 84.833W, 4 Aug 2022, BGS, ex larva on *Ostrya*, taken 23 Jul 2022

Phyllonorycter tritaenianella, **Cheboygan Co**, Univ. of Mich. Bio. Station, Indian Pt, 45.485N 84.683W, 16-19 Jul 2022, BGS, ex larva on *Ostrya*, taken 27 Jun 2022

Porphyrosela desmodiella, Cheboygan Co, Univ. Mich. Biol. Sta., Lakeside Lab, 45.5605N 84.6765W, 7-18 Jul 2022, BGS, ex larva on *Desmodium*, taken 7 Jul 2022

Heliozelidae:

Coptodisca splendoriferella, **Emmet Co**, Univ. of Mich. Bio. Station, Pellston plains, 45.563N 84.746W, 11 Jul 2022, BGS

Hesperiidae:

Amblyscirtes hegon, **Emmet Co**, Durkalic Rd, 45.562N 84.833W, 30 May 2022, BGS

Burnsius communis, **Emmet Co**, Pond Hill Farms, N of Harbor Springs, 45.473N 85.056W, 10 Jul 2022, BGS, sight record

Carterocephalus palaemon, Cheboygan Co, Dingman Marsh @ dam, 45.716N 84.685W, 29 May 2022, BGS

Euphyes conspicua, Cheboygan Co, Webb Rd beaver dam, 45.272N 84.532W, 18 Jul 2022, BGS

Hesperia metea, Cheboygan Co, Wildwood Rd, 45.365N 84.653W, 8 Jun 2022, BGS

Lycaenidae:

Callophrys henrici, **Cheboygan Co**, Univ. Mich. Biol. Sta., Greenstar Meadow, 45.557N 84.650W, 15 Apr 2023, BGS, ex larva on *Ilex verticillata*, taken 26 Jun 2022

Lyonetiidae:

Lyonetia latistrigella, **Cheboygan Co**, Mud Lake bog., 45.606N 84.597W, 17-25 Aug 2022, BGS, ex pupa on *Ledum groenlandicum*, taken 12 Aug 2022, **STATE RECORD**

Lyonetia prunifoliella, **Emmet Co**, Wilderness SP, entrance sign, 45.749N 84.859W, 19 Aug 2022, BGS, ex larva on *Betula papyrifera*, taken 28 Jul 2022

Lyonetia prunifoliella, **Cheboygan Co**, Hebron Mail Rt Rd & Potter Rd, 45.708N 84.650W, 25 Aug 2022, BGS, ex larva on *Betula papyrifera*, taken 6 Aug 2022

Paraleucoptera albella, **Cheboygan Co**, Univ. Mich. Biol. Sta., lakeshore, 45.5600N 84.6747W, 15 Jul 2022, BGS, ex larva on *Populus deltoides*, taken 28 Jun 2022

Nepticulidae:

Stigmella populetorum, **Cheboygan Co**, Mud Lake bog., 45.606N 84.597W, 15-16 Jul 2022, BGS, ex pupa on *Populus tremuloides*, taken 28 Jun 2022

Stigmella saginella, **Cheboygan Co**, Wildwood Rd, 45.365N 84.653W, 15 Aug 2022, BGS, ex larva on *Quercus alba*, taken 11 Jul 2022

Nymphalidae:

Lethe appalachia, **Cheboygan Co**, Mud Lake bog., 45.606N 84.597W, 16 Jul 2022, BGS

Libytheana carinenta, **Emmet Co**, Wilderness SP, Sturgeon Bay dunes, 45.711N 84.943W, 3 Jul 2022, BGS

Libytheana carinenta, **Cheboygan Co**, Univ. Mich. Biol. Sta., E of Greenstar Meadow, 45.556N 84.641W, 5 Aug 2022, BGS, sight record visiting various composites

Psychidae:

Psyche casta, **Gladwin Co**, Black Creek, 16 Jan 2022, KEJ

Pyralidae:

Acrobasis betulella, **Cheboygan Co**, Univ. Mich. Biol. Sta., Greenstar Meadow, 45.557N 84.650W, 13 Jul 2022, BGS, ex larva on *Betula papyrifera*, taken 28 May 2022

Scythrididae:

Landryia impositella, **Cheboygan Co**, Univ. Mich. Biol. Sta., Carp Creek @ Hogsback Rd, 45.549N 84.683W, 27 Jul 2022, BGS, nectaring on *Rudbeckia*

Tischeriidae:

Astrotischeria solidagonifoliella, **Cheboygan Co**, Univ. Mich. Biol. Sta., Lakeside Lab, 45.5605N 84.6765W, 18 Aug 2022, BGS, ex pupa on *Solidago canadensis*, taken 13 Aug 2022

Astrotischeria solidagonifoliella, **Cheboygan Co**, Webb Rd beaver dam, 45.272N 84.532W, 29 Aug-2 Sep 2022, BGS, ex larva on *Solidago canadensis*, taken 19 Aug 2022

Coptotriche malifoliella, **Emmet Co**, Wilderness SP, Bliss Beach, 45.684N 84.972W, 18 Aug 2022, BGS, ex pupa on *Malus*, taken 17 Aug 2022

Coptotriche malifoliella, **Cheboygan Co**, Dingman Marsh @ dam, 45.716N 84.685W, 25 Jul-1 Aug 2022, BGS, ex larva on *Malus*, taken 13 Jul 2022

Tortricidae:

'Atroposia' oenotherana, **Emmet Co**, Wilderness SP, Waugoshance Pt, 45.758N 84.872W, 22-26 Jul 2022, BGS, ex larva on *Oenothera biennis*, taken 9 Jul 2022

Acleris cornana, **Cheboygan Co**, Webb Rd, Pigeon River NA, 45.272N 84.476W, 27 Jun 2022, BGS, ex larva on *Cornus stolonifera*, taken 4 Jun 2022

Acleris nivisellana, **Cheboygan Co**, Univ. of Mich. Bio. Station, rd to hilltop, 45.558N 84.674W, 16 Aug 2022, BGS, ex larva in central fold on *Prunus*, taken 8 Jul 2022

Ancylis goodelliana, **Emmet Co**, Bear River @ Evergreen Trail, 45.3207N 84.9203W, 29 Jul 2022, BGS, ex larva on *Salix*, taken 2 Jul 2022, **STATE RECORD**

Choristoneura fumiferana, **Cheboygan Co**, Webb Rd, Pigeon River NA, 45.272N 84.476W, late Jun 2022, BGS, ex larva on *Larix laricina*, taken 4 Jun 2022

Choristoneura rosaceana, **Cheboygan Co**, Webb Rd beaver dam, 45.272N 84.532W, early Jun 2022, BGS, ex larva on *Alnus*, taken 27 May 2022

Olethreutes comandranum, **Cheboygan Co**, Mud Lake bog., 45.606N 84.597W, 16 Jul 2022, BGS

Ypsolophidae:

Ypsolopha falciferella, **Gladwin Co**, Black Creek, 16 Jan 2022, KEJ

Minnesota:**Autostichidae:**

Taygete attributella, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Choreutidae:

Prochoreutis inflatella, **St. Louis Co**, Buhl, 30 Jun 2022, JM7

Coleophoridae:

Coleophora deauratella, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Cosmopterigidae:

Walshia amorphella, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Crambidae:

Aethiophysa invisalis, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Agriphila vulgivagella, **Cook Co**, Walter Rd, E end of Devil Track Lake, 8 Sep 2022, DBM
Anageshna primordialis, **St. Louis Co**, Meadowlands, 16 Jul 2022, JM7
Donacaula albicostellus, **Cook Co**, Walter Rd, E end of Devil Track Lake, 2 Sep 2022, DBM
Elophila tinealis, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Hahncappsia pergivalis, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ
Herpetogramma aquilonalis, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ
Herpetogramma aquilonalis, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Herpetogramma aquilonalis, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Hymenia perspectalis, **Pine Co**, Hinckley Twp, 22 Jun 2022, GH
Lipocosmodes fuliginosalis, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Loxostegopsis merrickalis, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Loxostegopsis merrickalis, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Mecyna submedialis, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Ostrinia obumbratalis, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Platytes vobisne, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ
Pyrausta pythialis, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Sitochroa palealis, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Stegae eripalis, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ
Vaxi critica, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Depressariidae:

Agonopterix eupatoriella, **Dakota Co**, Lebanon Hills Regional Park, 2 Mar 2022, KEJ
Agonopterix eupatoriella, **Filmore Co**, Forestville/Mystery Cave State Park, 28 Mar 2022, KEJ
Agonopterix nigrinotella, **Freeborn Co**, Myre Big Island State Park, 27 Mar 2022, KEJ
Agonopterix paulae, **Steele Co**, Straight River, 25 Mar 2022, KEJ
Agonopterix pulvipennella, **Mower Co**, Hormel Nature Center, 28 Mar 2022, KEJ
Antaeotricha leucillana, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ
Depressaria cinereocostella, **Winona Co**, Whitewater WMA, 29 Mar 2022, KEJ

Elachistidae:

Semioscopis aureolla, **Cook Co**, Walter Rd, E end of Devil Track Lake, 18 May 2022, DBM
Semioscopis merricella, **Cook Co**, Walter Rd, E end of Devil Track Lake, 25 May 2022, DBM

Erebidae:

Catocala amestris, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ
Catocala clintonii, **Anoka Co**, Ramsey, 5 Jul 2022, PR
Catocala connubialis, **Anoka Co**, Ramsey, 22 Jul 2022, PR
Catocala connubialis, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Catocala connubialis, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Catocala whitneyi, Ramsey Co, Arden Hills, 20 Jul 2022, KEJ, last record appears to be from 1927
Hypena madefactalis, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Hypenodes caducus, **Pine Co**, Hinckley Twp, 30 Aug 2022, GH
Hypenodes caducus, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Idia diminuendis, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Idia julia, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Macrochilo hypocriticalis, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Melipotis jucunda, Ramsey Co, Arden Hills, 20 Jul 2022, KEJ
Orgyia antiqua, Pine Co, Hinckley Twp, 14 Aug 2022, GH
Phragmatobia lineata, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Plusiodonta compressipalpis, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Gelechiidae:

Anacampsis innocuella, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Aristotelia pudibundella, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Chionodes obscurusella, **Filmore Co**, Forestville/Mystery Cave State Park, 28 Mar 2022, KEJ
Chionodes soter, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Deltophora sella, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Dichomeris juncidella, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ
Isophrictis similiella, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Geometridae:

Coryphista meadii, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Digrammia ordinata, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ
Eulithis flavibrunneata, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Eulithis molliculata, Winona Co, Whitewater WMA, 18 Jul 2022, KEJ, seldom reported in MN
Idaea demissaria, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Gracillariidae:

Caloptilia bimaculatella, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ
Caloptilia rhoifoliella, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Macrosaccus morrisella, **Filmore Co**, Forestville/Mystery Cave State Park, 28 Mar 2022, KEJ

Hesperiidae:

Atalopedes campestris, St. Louis Co, Cherie Ln., Duluth, 10 Sep 2022, JPS

Epargyreus clarus, St. Louis Co, Meadowlands, 9 Jul 2022, JM7

Momphidae:

Mompha circumscriptella, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Noctuidae:

Apamea cariosa, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Capis archaia, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ, 3rd US record

Catabena lineolata, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Dargida rubripennis, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Lacinipolia sareta, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Oligia chlorostigma, Winona Co, Whitewater WMA, 18 Jul 2022, KEJ, seldom reported in MN

Parabagrotis exsertistigma, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ, rare this far east

Parastichtis suspecta, Ramsey Co, Arden Hills, 20 Jul 2022, KEJ, rarely reported this far south, county historical record likely early 1900s

Photodes defecta, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Photodes includens, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Ponomotia semiflava, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Stretchia plusiaeformis, Cook Co, Walter Rd, E end of Devil Track Lake, 25 May-23 Jun 2022, DBM

Striacosta albicosta, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Sympistis chionanthi, **Cook Co**, Walter Rd, E end of Devil Track Lake, 2 Sep 2022, DBM

Ufeus plicatus, **Freeborn Co**, Myre Big Island State Park, 27 Mar 2022, KEJ

Nymphalidae:

Asterocampa celtis, Blue Earth Co, Mankato, 12 Jul 2022, SM4

Coenonympha tullia, St. Louis Co, McNair off Langely River Rd., 13 Jul 2022, JPS, also 7 other observers

Libytheana carinenta, **Anoka Co**, Ramsey, 20 Jul-5 Aug 2022, PR

Megisto cymela, St. Louis Co, McNair off Langely River Rd., 13 Jul 2022, JPS, also 7 other observers

Vanessa virginiensis, Cook Co, Walter Rd, E end of Devil Track Lake, 1 Jun 2022, DBM

Pieridae:

Euchloe ausonides, Cook Co, upper Gunflint Trail CR 12, 7 Jun 2022, DBM

Zerene cesonia, **Anoka Co**, Ramsey, 18 Jul 2022, PR

Zerene cesonia, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Psychidae:

Psyche casta, **Filmore Co**, Forestville/Mystery Cave State Park, 28 Mar 2022, KEJ

Siederia walshella, **Freeborn Co**, Myre Big Island State Park, 27 Mar 2022, KEJ

Pterophoridae:

Hellinsia elliottii, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Oidaematophorus eupatorii, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Pyralidae:

Atascosa glareosella, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Peoria gemmatella, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Pococera asperatella, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Saturniidae:

Eacles imperialis, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Schreckensteiniidae:

Schreckensteinia erythriella, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Schreckensteinia erythriella, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Sesiidae:

Synanthedon proxima, St. Louis Co, Virginia, 6 Jul 2022, JM7

Synanthedon scitula, St. Louis Co, Virginia, 14 Jul 2022, JM7

Tortricidae:

Ancylis semiovana, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Celypha cespitana, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Cochylis buccera, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Epiblema boxcana, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Epiblema carolinana, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Epiblema minutana, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Epiblema tripartitana, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Grapholita fana, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Larisa subsolana, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Pelochrista costastriata, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Pelochrista heathiana, **Winona Co**, Whitewater WMA, 18 Jul 2022, KEJ

Pelochrista robinsonana, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Pelochrista vagana, **Dakota Co**, Spring Lake Park Reserve, 19 Jul 2022, KEJ

Phalonidia lepidana, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Sonia canadana, **Ramsey Co**, Arden Hills, 20 Jul 2022, KEJ

Wisconsin:

Adelidae:

Adela purpurea, **Brown Co**, Brown County Reforestation Camp, 7 May 2022, KEJ

Argyresthiidae:

Argyresthia subreticulata, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ, **STATE RECORD**

Autostichidae:

Glyphidocera juniperella, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ

Carposinidae:

Bondia crescentella, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ

Coleophoridae:

Coleophora deauratella, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ

Coleophora mayrella, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Crambidae:

Apogeshna stenialis, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ

Blepharomastix ranalis, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Dicymolomia julianalis, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Eudonia strigalis, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Glaphyria glaphyralis, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Hahncappsia marculenta, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Herpetogramma aquilonalis, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Herpetogramma nymphalis, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ, **STATE RECORD**

Parapoyxn obscuralis, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ

Platytes vobisne, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ

Polygrammodes flavidalis, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ

Pyrausta inveterascalis, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Raphiptera argillaceellus, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Scoparia basalis, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Depressariidae:

Agonopterix alstroemeriana, **Brown Co**, Brown County Reforestation Camp, 23 Apr 2022, KEJ

Agonopterix curvilineella, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Agonopterix robinella, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Depressaria depressana, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Ethmia apicipunctella, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ, **STATE RECORD**

Elachistidae:

Elachista madarella, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Elachista orestella, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Erebidae:

Catocala abbreviatella, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ

Hyphenodes caducus, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Hyphenodes fractilinea, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Phoberia ingenua, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ

Tetanolita floridana, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Zanclognatha marcidilinea, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Eriocraniidae:

Dyseriocrania griseocapitella, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ

Dyseriocrania griseocapitella, **Oconto Co**, Little Suamico, 15 May 2022, KEJ

Eriocraniella platyptera, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ, **STATE RECORD**

Gelechiidae:

Chionodes discoocellella, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Chionodes fondella, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ

Chionodes pseudofondella, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ

Coleotechnites eryngiella, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ

Dichomeris flavocastella, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ

Dichomeris georgiella, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ

Dichomeris juncidella, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ

Dichomeris serrativittella, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ

Isophrictis rudbeckiella, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Isophrictis similiella, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ

Metzneria lapella, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Telphusa longifasciella, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ

Geometridae:

Cleora sublunaria, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ

Gracillariidae:

Caloptilia cornusella, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Caloptilia hypericella, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ
Caloptilia murtfeldtella, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ, few WI records
Cameraria conglomeratella, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ
Leucospilapteryx venustella, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ
Phyllonorycter argentifimbriella, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Hesperiidae:

Polites origenes, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ, few modern records in Midwest

Momphidae:

Mompha circumscriptella, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ

Noctuidae:

Apamea lutosa, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Apamea plutonia, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ
Apamea vulgaris, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ
Azena obtusa, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ
Cerastis fishii, **Brown Co**, Brown County Reforestation Camp, 23 Apr 2022, KEJ
Lithophane oriunda, **Oconto Co**, Little Suamico, 16 Mar 2022, KEJ, 4th consecutive year documented here, robust population
Lithophane pexata, **Brown Co**, Brown County Reforestation Camp, 23 Apr 2022, KEJ
Lithophane semiusta, **Forest Co**, Wabeno, 13 May 2022, KEJ, flying during day/crawling on damp leaf litter (likely tipping)
Papaipema beeriana, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, SCB & KEJ, new, large population
Papaipema silphii, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, SCB & KEJ, new, large population
Photodes inops, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, SCB
Protorthodes incincta, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, SCB
Psaphida electilis, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ
Pseudeva purpurigera, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ
Resapamea passer, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ

Notodontidae:

Gluphsia lintneri, **Brown Co**, Brown County Reforestation Camp, 23 Apr 2022, KEJ

Nymphalidae:

Euphydryas phaeton, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ, locally common in wetlands

Pieridae:

Pieris virginiensis, **Florence Co**, Price Lake, 13 May 2022, KEJ, also PR & KAT
Pieris virginiensis, **Forest Co**, Wabeno, 13 May 2022, KEJ, PR & KAT, abundant

Pterophoridae:

Amblyptilia pica, **Brown Co**, Brown County Reforestation Camp, 23 Apr 2022, KEJ
Hellinsia lacteodactylus, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Geina periscelidactylus, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ
Geina tenuidactylus, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Pyralidae:

Acrobasis cunulae, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Oneida lunulalis, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ
Salebriaria engeli, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ
Sciota rubescentella, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ

Scythrididae:

Scythris immaculatella, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Sesiidae:

Melittia cucurbitae, **Richland Co**, Lone Rock LWRSWA, 29 Jun 2022, KEJ

Sphingidae:

Eumorpha achemon, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Sphinx drupiferarum, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ

Tineidae:

Amydria effrentella, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Tortricidae:

Acleris albicomana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Acleris cervinana, **Brown Co**, Brown County Reforestation Camp, 23 Apr 2022, KEJ
Acleris forbesana, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ
Acleris semiannula, **Brown Co**, Brown County Reforestation Camp, 11-23 Apr 2022, KEJ
Aethes heleniana, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ
Aethes louisiana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Aethes ringsi, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Ancylis divisana, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ
Archips grisea, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ
Argyrotaenia alisellana, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ
Atroposia oenotherana, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ
Bactra maiorina, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ, seldom reported species, abundant here
Chimoptesis pennsylvaniana, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ
Cochylis caulocatax, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Dichrorampha bittana, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ
Epiblema boxcana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Epiblema dorsisuffusana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Epiblema obfuscana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Epiblema otiosana, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ
Epiblema tripartitana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Eucosma ambodaidaleia, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ
Eucosma bilineana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Eucosma giganteana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Eucosma kiscana, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ
Eucosma landana, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ
Eucosma rusticana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Eucosma simplex, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ
Eucosma verna, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ
Grapholita tristrigana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Gretchena watchungana, **Monroe Co**, Fort McCoy, 11 May 2022, KEJ
Gretchena watchungana, **Oconto Co**, Little Suamico, 15 May 2022, KEJ
Gynnidomorpha romonana, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ
Hystrichophora taleana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Hystrichophora taleana, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ
Larisa subsolana, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ
Olethreutes bipartitana, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ
Paralobesia viteana, **Crawford Co**, Hogback Prairie, 27 Jun 2022, KEJ
Pelochrista fiskeana, **Columbia Co**, Goose Pond Sanctuary, 29 Jun 2022, KEJ
Pelochrista heathiana, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ
Pseudexentera haracana, **Oconto Co**, Little Suamico, 15 May 2022, KEJ
Pseudexentera maracana, **Oconto Co**, Little Suamico, 15 May 2022, KEJ
Sereda tautana, **Brown Co**, Brown County Reforestation Camp, 23 Apr 2022, KEJ
Xenotemna pallorana, **Green Lake Co**, Puchyan Prairie, 8 Sep 2022, KEJ

Ypsolophidae:

Ypsolopha falciferella, **Brown Co**, Brown County Reforestation Camp, 23 Apr 2022, KEJ

Zygaenidae:

Pyromorpha dimidiata, **Crawford Co**, Oak Coulee Woods, 26 Jun 2022, KEJ

Zone 9: Southeast: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia
 Coordinator: Brian G. Scholtens

Contributors: James K. Adams (JKA), James Adams & Patrick Adams (AA2), James Adams & Jeff Sloten (A/S), Giff Beaton (GIB), Anna Bennett (AB), Mike Chapman (MC), Roy Cohutta (RC4), Lance Durden (LAD), John Hyatt (JAH), Gage Loy (GL1), Craig W. Marks (CWM), Hugh McGuinness (HMG), Bill Murphy (BM5), iNaturalist (IN), Ricky Patterson (RLP), Jeff Sloten (JRS), Brian G. Scholtens (BGS), William J. Taft (WJT), Richard Teper (RT).

Over the entire region temperatures were slightly above average with Florida and coastal GA and the Carolinas also with significantly higher temperatures than the long-term average. Rainfall totals were near the long-term average over the entire region except for Virginia, which had well above normal rainfall totals. Hurricane Ian hit peninsular Florida and then coastal SC from 28-30 September causing significant damage with high winds and heavy rains.

Other major reports are from Craig Marks in Louisiana, Ricky Patterson in Mississippi, and Richard Teper in North Carolina.

As a major survey of Sapelo Island in coastal GA winds down, survey efforts continue in the sandhills of Georgia (James Adams, Lance Durden, Brian Scholtens). Scholtens recently completed a survey of Spring Island in SC, an inland marsh island on the coastal plain. Eric LoPresti, Scholtens and Adams started a survey of the Santee Coastal Reserve in SC to resample the area near the Wedge Plantation, which was originally sampled in the 1960s and 1970s (now privately owned and not accessible). These surveys have resulted in many state and county records reported here.

RECORDS:

Arkansas:

Tortricidae:

Olethreutes osmundana, **Garland Co.**, 408 Long Island Dr, Hot Springs, 9 May 2021, AB, **STATE RECORD**, first W of Mississippi River

Georgia:

Autostichidae:

Glyphidocera floridanella, **McIntosh Co.**, Sapelo Island, Nanny Goat Beach, 12-13 Apr 2013, LAD, confirmed by recent dissection, this is the earliest of many records, **STATE RECORD**

Blastobasidae:

Blastobasis floridella, **McIntosh Co.**, Sapelo Island, UGA dorm, 18 Apr 2013, BGS, confirmed by recent dissection, **STATE RECORD**

Blastobasis pulchella, **McIntosh Co.**, Sapelo Island, Lighthouse Rd, 18 Apr 2013, BGS, confirmed by recent dissection

Blastobasis quaintancella, **Taylor Co.**, Fall Line Sandhills WMA, Hal's Hill, 22 Nov 2019, JKA & LAD, confirmed by recent dissection, **STATE RECORD**

Blastobasis taurusella, **McIntosh Co.**, Sapelo Island, UGA dorm, 5-6 Aug 2016, LAD, confirmed by recent dissection, **STATE RECORD**

Calosima dianella, **McIntosh Co.**, Sapelo Island, Nannygoat Beach, 8 May 2013, BGS, earliest of numerous records

Calosima lucidella, **McIntosh Co.**, Sapelo Island, Nannygoat Beach, 9 May 2013, BGS, earliest of several records, confirmed by recent dissection, **STATE RECORD**

Calosima lucidella, **Taylor Co.**, Fall Line Sandhills WMA, pond, 3-6 Oct 2019, JKA & LAD, confirmed by recent dissection

Holcocera immaculella, **McIntosh Co.**, Sapelo Island, UGA dorm, 10 Jan 2013, LAD, confirmed by recent dissection

Hypatopa punctiferella, **McIntosh Co.**, Sapelo Island, Nannygoat Beach, 12-13 Apr 2013, LAD, earliest of several records, confirmed by recent dissection

Hypatopa simplicella, **McIntosh Co.**, Sapelo Island, back dunes, 8-9 Jul 2016, LAD, confirmed by recent dissection, **STATE RECORD**

Hypatopa vestaliella, **McIntosh Co.**, Sapelo Island, Nannygoat Beach, 13 Apr 2015, LAD, confirmed by recent dissection, **STATE RECORD**

Pigritia ca. fidella, **McIntosh Co.**, Sapelo Island, Horsepasture Rd, 21 Apr 2017, LAD, earliest of several records, confirmed by recent dissection, **STATE RECORD**

Coleophoridae:

Coleophora alabama, **McIntosh Co.**, Sapelo Island, UGA dorm, 23 Feb 2018, JKA & LAD, confirmed by recent dissection, **STATE RECORD**

Cosmopterigidae:

Perimede erransella, **McIntosh Co.**, Sapelo Island, Horsepasture Rd., 9 May 2013, BGS, earliest of several records, confirmed by recent dissection, **STATE RECORD**

Perimede falcata, **McIntosh Co.**, Sapelo Island, Nannygoat Beach, 10 May 2012, LAD, confirmed by recent dissection, **STATE RECORD**

Periploca fessa, **McIntosh Co.**, Sapelo Island, trailers, 2 Jun 2016, BGS, confirmed by recent dissection, **STATE RECORD**

Periploca mimula, **McIntosh Co.**, Sapelo Island, trailers, 2 Jun 2016, BGS, confirmed by recent dissection, **STATE RECORD**

Periploca nigra, **McIntosh Co.**, Sapelo Island, Lighthouse Rd., 18 Apr 2013, BGS, confirmed by recent dissection, **STATE RECORD**

Stilbosis quadricostatella, **McIntosh Co.**, Sapelo Island, back dunes, 8 May 2018, BGS & JKA, confirmed by recent dissection, **STATE RECORD**

Cossidae:

Inguromorpha basalis, **Ware Co.**, Dixon Memorial Forest WMA, 13-14 Apr 2022, LAD, very few in GA

Crambidae:

Condylorrhiza vestigialis, **McIntosh Co.**, Sapelo Island, 15-17 Sep 2022, JKA, island record

Diaphania infimalis, **Bulloch Co.**, Statesboro, 28 Dec 2022, LAD, few in state

Diaphania infimalis, **Glynn Co.**, Brunswick, 26 Aug 2022, MC, few in state

Leptosteges flavicostella, **Glynn Co.**, Brunswick, 3 May 2022, MC, **STATE RECORD**

Nymphuliella daeckalis, **Glynn Co.**, Brunswick, 21 Aug 2021, MC, few in state

Palpita aenescentalis, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG

Rupela sejuncta, **McIntosh Co.**, Sapelo Island, Short Cut Rd, 9 May 2018, BGS & JKA, confirmed by recent dissection, **STATE RECORD**

Erebidae:

Antiblemma perva, **Glynn Co.**, Brunswick, 1 Jan 2022, MC, **STATE RECORD**

Argillophora furcilla, **Telfair Co.**, Horse Creek WMA, 3-4 Sep 2022, J/S, uncommon in south GA

Catocala amestris, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG, 2nd time from this location, less than 5 from state

Catocala carissima, **Walker Co.**, Taylor's Ridgeline, 5 mi W of Villanow, 1-2 Oct 2022, JKA, uncommon in north GA

Catocala carissima, Whitfield Co., Rocky Face Ridgeline, just SW of Dalton, 24-25 Oct 2022, JKA, uncommon in north GA

Catocala grisatra, Wheeler Co., Alligator Creek WMA, 15-17 May 2022, RLP, repeats record from previous year

Catocala habilis, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 8-9 Sep 2022, JKA, late record

Catocala miranda, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 4-25 Jun 2022, JKA, 4 specimens across 3 weeks

Catocala palaeogama, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 15-16 Oct 2022, JKA, late record

Catocala ulalume, **Telfair Co.**, Horse Creek WMA, 3-4 Sep 2022, A/S, very uncommon this far south

Cisthene kentuckiensis, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 8-9 Sep 2022, JKA, uncommon throughout state

Dasychira dominickaria, **Long Co.**, Townsend North WMA, 2-3 Sep 2022, A/S, very few in state

Dinumma deponens, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 4-5 Jun 2022, JKA, first from the ridgeline

Drasteria graphica, **Long Co.**, Townsend North WMA, 6-7 Mar 2022, LAD, local in middle to south GA

Eublemma recta, **McIntosh Co.**, Sapelo Island, 15-17 Sep 2022, JKA, **STATE RECORD**
Gondysia consobrina, **Long Co.**, Townsend North WMA, 6-7 Mar 2022, LAD, very few in state
Hypena appalachiensis, **Walker Co.**, Taylor's Ridgeline, 5 mi W of Villanow, 6 May 2022, JKA & BM5, 2nd record for state
Hypena ramstadtii, **Long Co.**, Townsend North WMA, 2-3 Sep 2022, A/S, possible **STATE RECORD**
Scoliapteryx libatrix, **Walker Co.**, Taylor's Ridgeline, 5 mi W of Villanow, 21 May 2022, JKA, few scattered records from GA
Sigela rosea, Long Co., Townsend North WMA, 26-28 Dec 2021, JKA & LAD, new date for this location
Syntomeida ipomoeae, Long Co., Townsend North WMA, 2-3 Sep 2022, A/S, new location, uncommon in SE GA
Zale perculata, Wheeler Co., Alligator Creek WMA, 24-25 Feb 2022, LAD, early record

Gelechiidae:

Aristotelia lespedezae, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Keiferia inconspicuenta, **McIntosh Co.**, Sapelo Island, Horsepasture Rd, 21 Apr 2017, LAD, confirmed by recent dissection, **STATE RECORD**
Symmetrischema striatella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG

Geometridae:

Eupithecia columbiata, **Union Co.**, Trackrock Campground, Trackrock Rd, Blairsville, 24-25 Apr 2022, LAD, very few from state
Homochlodes lactispargaria, **Union Co.**, Brasstown Bald area, above 4100', 24-25 Apr 2022, LAD, uncommon and only in GA mountains
Hydrelia condensata, **Towns/Union Co.**, Brasstown Bald area, above 4100', 4-6 Jun 2022, LAD & JRS, **STATE RECORD**
Lambdina canitaria, **Union Co.**, Brasstown Bald area, powerline cut, 3600', 24-25 Apr 2022, LAD, **STATE RECORD**
Lytrosis permagnaria, Towns Co., Brasstown Bald area, powerline cut, 3600', 4-6 Jun 2022, LAD & JRS, repeats record from previous year
Lytrosis sinuosa, **Union Co.**, Brasstown Bald area, powerline cut, 3600', 10-12 Jun 2022, JKA, uncommon in north GA
Lytrosis sinuosa, Ware Co., Dixon Memorial Forest WMA, 13-14 Apr 2022, LAD, local in south GA
Mesoleuca ruficollata, **Union Co.**, Cooper's Creek Rec Area, 4-5 May 2022, BM5, 2nd location in state, common here
Metarranthis lateritaria, Ware Co., Dixon Memorial Forest WMA, 13-14 Apr 2022, LAD, uncommon in state
Nematocampa baggetaria, **Ware Co.**, Dixon Memorial Forest WMA, 13-14 Apr 2022, LAD, uncommon in state
Nematocampa baggetaria, **McIntosh Co.**, Sapelo Island, 2-3 May 2022, LAD, island record
Nemoria biflata, McIntosh Co., Sapelo Island, 2-3 May 2022, LAD, island record
Palaeocrita mericcata, **Wheeler Co.**, Townsend North WMA, 26-28 Dec 2021, JKA & LAD, local in state
Phrudocentra centrifugaria, **Glynn Co.**, Brunswick, 27 Aug 2022, MC, 2nd record for state
Rheumaptera prunivorata, **Bulloch Co.**, Canoochee Sandhills WMA, 6-7 Sep 2021, LAD, uncommon in south GA
Selenia kentaria, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 12-13 Apr 2022, JKA, late date record
Sphacelodes vulneraria, **Bulloch Co.**, Statesboro, 12 Nov 2022, LAD, very few in state
Xanthorhoe packardata, Walker Co., Crockford-Pigeon Mountain WMA, 7-8 Oct 2022, JKA, one of 2 locations in state

Gracillariidae:

Parectopa bumeliella, **McIntosh Co.**, Sapelo Island, Nanny Goat Beach, 17 Feb 2017, LAD, confirmed by recent dissection, **STATE RECORD**

Hepialidae:

Gazoryctra sciophanes, **Towns/Union Co.**, Brasstown Bald area, above 4100', 4-6 Jun 2022, LAD & JRS, **STATE RECORD**
Gazoryctra sciophanes, Towns/Union Co., Brasstown Bald area, above 4100', 10-12 Jun 2022, JKA, confirms record, many individuals
Sthenopsis pretiosa, **Towns Co.**, Brasstown Bald area, above 4100', 10-12 Jun 2022, JKA

Hesperiidae:

Megathymus cofaqui, Talbot Co., Chattahoochee Fall Line WMA, Almo Blackjack Tracts, 17 May 2021, RC4, new early record, few recent adult records

Lyonetiidae:

Leucoptera erythrinella, **McIntosh Co.**, Sapelo Island, Short Cut Rd, 7 Sep 2013, BGS, confirmed recently, **STATE RECORD**

Noctuidae:

Abrostola ovalis, **Walker Co.**, Taylor's Ridgeline, 5 mi W of Villanow, 23-24 Apr 2022, JKA, 3rd record for state
Acronicta cryptica, **Union Co.**, Trackrock Campground, Trackrock Rd, Blairsville, 24-25 Apr 2022, LAD, confirmation of this newly described species in state
Bagisara brouana, Ware Co., Dixon Memorial Forest WMA, 13-14 Apr 2022, LAD, uncommon in state
Bagisara rectifascia, **Long Co.**, Townsend North WMA, 2-3 Sep 2022, A/S, local in GA
Basilodes pepita, **Walker Co.**, Taylor's Ridgeline, 5 mi W of Villanow, 31 Aug-1 Sep 2022, JKA
Chaetagnathia rhonda, **Bulloch Co.**, Canoochee Sandhills WMA, 17-18 Dec 2021, LAD, uncommon in south GA
Chaetagnathia rhonda, **Long Co.**, Townsend North WMA, 13-14 Apr 2022, LAD, extremely local in south GA
Cydosis majuscula, **Dougherty Co.**, Chickasawhatchee WMA, 11 Apr 2022, RC4, 2nd location in state
Derrima henrietta, McIntosh Co., Sapelo Island, 2-3 May 2022, LAD, just a couple of locations in state for newly recognized species
Derrima stellata, Long Co., Townsend North WMA, 2-3 Sep 2022, A/S, repeats record from previous year
Feralia comstocki, Union Co., Cooper's Creek Rec Area, 4-5 May 2022, BM5, uncommon, only in mountains
Feralia comstocki, Union Co., Trackrock Campground, Trackrock Rd, Blairsville, 24-25 Apr 2022, LAD, uncommon, only in mountains
Leucania pilipalpis, McIntosh Co., Kittles Island, 25 Feb 2022, JAH, 3rd location in state, new for mainland in county
Leucania pilipalpis, **Long Co.**, Townsend North WMA, 26-28 Dec 2021, JKA & LAD, 2nd location in state
Lithophane querquera, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 12-13 Apr 2022, JKA, late date record
Litoprosopus futilis, McIntosh Co., Sapelo Island, 15-17 Sep 2022, JKA, late record
Malliatha concinnimacula, **Towns/Union Co.**, Brasstown Bald area, above 4100', 4-6 Jun 2022, LAD & JRS, very few records for state
Meropleon cosmion, Bulloch Co., Statesboro, 12 Nov 2022, LAD, local and uncommon
Mouralia tinctoides, Bulloch Co., Statesboro, 30 Sep-9 Nov 2022, LAD, fewer than 10 records for state
Orthosia quercia, Union Co., Brasstown Bald area, above 4100', 24-25 Apr 2022, LAD, uncommon, only in mountains
Ozarba nebula, **Long Co.**, Townsend North WMA, 6-7 Mar 2022, LAD, very few in state
Papaipema cerrusata, **Walker Co.**, Crockford-Pigeon Mountain WMA, 7-8 Oct 2022, JKA,

Papaipema insulidens, **Walker Co.**, Crockford-Pigeon Mountain WMA, 7-8 Oct 2022, JKA, very few in state
Papaipema stenocelis, **Wayne Co.**, Penholoway WMA, 7 Jul 2022, LAD, very few in state, early record
Parapamea buffaloensis, Long Co., Townsend North WMA, 2-3 Sep 2022, A/S, repeats record from previous year
Phlogophora iris, Union Co., Brasstown Bald area, above 4100', 4-6 Jun 2022, LAD & JRS, uncommon, only in mountains
Phlogophora iris, Union Co., Brasstown Bald area, above 4100', 10-12 Jun 2022, JKA, uncommon, only in mountains
Photedes enervata, McIntosh Co., Sapelo Island, 2-3 May 2022, LAD, one of two locations in state
"*Platyplia*" *mactata*, Walker Co., Crockford-Pigeon Mountain WMA, 7-8 Oct 2022, JKA, new location, local in N GA
Pyrrhia exprimens, **Towns/Union Co.**, Brasstown Bald area, above 4100', 4-6 Jun 2022, LAD & JRS, uncommon, only in mountains

Nolidae:

Afrida ydatodes, **Glynn Co.**, Brunswick, 9 Mar 2022, MC
Meganola georgei, **Bulloch Co.**, Canoochee Sandhills WMA, 1 Jan-23 Feb 2022, LAD
Meganola georgei, **Long Co.**, Townsend North WMA, 26-28 Dec 2021 & 6-7 Mar 2022, JKA & LAD

Notodontidae:

Baltodonta broui, **Bulloch Co.**, Canoochee Sandhills WMA, 6-7 Sep 2021, LAD
Dasylophia puntagorda, McIntosh Co., Sapelo Island, 15-17 Sep 2022, JKA, newly described species is confirmed, plenty of previous records from island

Oecophoridae:

Fabiola edithella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG

Prodoxidae:

Lampronia russatella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG

Psychidae:

Basicladus tracyi, **McIntosh Co.**, Sapelo Island, 15-17 Sep 2022, JKA, island record
Oeketicus abbotti, Long Co., Townsend North WMA, 2-3 Sep 2022, A/S, few records in state

Pyralidae:

Acrobasis caryae, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Acrobasis caryalbella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Acrobasis cunulae, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Acrobasis elyi, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Acrobasis exsulella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Acrobasis minimella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Acrobasis palliolella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Acrobasis stigmella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Acrobasis tumidulella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Erelieva parvulella, **McIntosh Co.**, Sapelo Island, back dunes, 21 Apr 2017, LAD, confirmed by recent dissection, **STATE RECORD**
Goya stictella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Immyrla nigrovittella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Quasisalebria atratella, **Long Co.**, Griffin Ridge WMA, 7 May 2018, JKA

Saturniidae:

Citheronia sepulcralis, McIntosh Co., Sapelo Island, 15-17 Sep 2022, JKA, late record
Hyalophora cecropia, **Union Co.**, Cooper's Creek Rec Area, 4-5 May 2022, BM5, few in north GA

Sphingidae:

Ceratonia catalpae, **Long Co.**, Townsend North WMA, 2-3 Sep 2022, JKA, not many records in south GA
Ceratonia hageni, **Gordon Co.**, Calhoun, Forest Heights, 19 May 2022, GL1, 3rd record for state
Manduca quinquemaculata, McIntosh Co., Sapelo Island, 2-3 May 2022, LAD, island record, rather uncommon in state

Tineidae:

Elatobia carbonella, **McIntosh Co.**, Sapelo Island, UGA dorm, 10 Jan 2013, LAD, confirmed by recent dissection, **STATE RECORD**
Niditinea sabroskyi, **Long Co.**, Griffin Ridge WMA, 9 Mar 2016, AA2, confirmed by recent dissection, **STATE RECORD**
Tinea mandarinella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG

Tischeriidae:

Coptotriche zelleriella, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG

Tortricidae:

Acleris cervinana, **Coweta Co.**, Chattahoochee Bend State Park, 26 Mar 2022, GIB, possible **STATE RECORD**, should be common
Aethes razowskii, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 18-20 Jun 2022, JKA & HMG
Cochylichroa temerana, **McIntosh Co.**, Sapelo Island, Lighthouse Rd, 18 Apr 2013, BGS, earliest of several records
Thaumato-grapha jonesi, **Bulloch Co.**, Canoochee Sandhills WMA, 15-16 Oct 2021, LAD, few records in state

Louisiana:

Hesperiidae:

Amblyscirtes alternata, Grant Parish, Kisatchie NF, on FR 169, 2 Apr 2022, CWM
Amblyscirtes hegon, Grant Parish, Kisatchie NF, on FR 169, 2 Apr 2022, CWM
Anatrytone logan, **Pointe Coupee Parish**, Sherburne WMA, 1 May-2 Sep 2022, CWM
Atrytonopsis loammi, **Tangipahoa Parish**, Fluker, 4 Aug 1979, RLP
Calpodus ethlius, Iberia Parish, Rip Van Winkle Garden, 17 Dec 2021, CWM, 1st Dec record
Euphyes dion, **Jackson Parish**, Hwy 167 S of Ansley, 30 May 2022, RLP

Staphylus hayhurstii, Pointe Coupee Parish, Sherburne WMA, 14-28 May 2022, CWM

Lycaenidae:

Callophrys henrici, Catahoula Parish, Sisily Hills Island WMA, 20 Mar 2022, CWM

Parrhasius m-album, Catahoula Parish, Sisily Hills Island WMA, 20 Mar 2022, CWM

Satyrium kingi, **Allen Parish**, CC Road Savannah, 16 May 2021, CWM

Nymphalidae:

Lethe appalachia, Pointe Coupee Parish, Sherburne WMA, 28 May-2 Sep 2022, CWM

Lethe appalachia, St. Mary Parish, Bayou Teche NWR, N Bend, E Unit, 24 Mar-15 Apr 2022, CWM, first March record

Papilionidae:

Heraclides crespontes, Cameron Parish, Peveto Woods, 31 Dec 2021, CWM, late record

Pieridae:

Anthocharis midea, St. Martin Parish, Indian Bayou WMA, 19 Mar 2022, CWM

Nathalis iole, Cameron Parish, Peveto Woods, 31 Dec 2021, CWM, late record

Riodinidae:

Calephelis virginianensis, St. Helena Parish, E of Greensburg, 25-27 Mar 2022, CWM

Sesiidae:

Synanthedon arkansasensis, **Natchitoches Parish**, Forest Rd 345 past Red Bluff Camp, 30 May 2022, RLP

Mississippi:

Erebidae:

Catocala sappho, Pontotoc Co., ENE of Troy Community, 12 Jul 2022, RLP

Hesperiidae:

Amblyscirtes aesculapius, Adams Co., Sandy Creek WMA, 28 Mar 2022, RLP

Euphyes dukesi dukesi, **Harrison Co.**, Menges Road, 4 Jun 2022, RLP

Nymphalidae:

Cercyonis pegala alope, **Pontotoc Co.**, ENE of Troy Community, 12 Jul 2022, RLP

Lethe anthedon anthedon, **Pontotoc Co.**, ENE of Troy Community, 12 Jul 2022, RLP

Phyciodes phaon jalapeno, **Sunflower Co.**, Moorhead, 4 Jun 2022, RLP

North Carolina:

Crambidae:

Anania plectilis, Avery Co., Sugar Mountain, 24 Jun 2022, RT

Herpetogramma sphingialis, Montgomery Co., Uwharrie Game Lands, 31 May 2022, RT

Elachistidae:

Ethmia trifurcella, Orange Co., Hillsborough, 5 Jun 2022, RT

Erebidae:

Idia laurentii, Avery Co., Sugar Mountain, 26 Jun 2022, RT

Pygarctia abdominalis, Moore Co., Sandhills, 31 May 2022, RT

Geometridae:

Biston betularia, Avery Co., Sugar Mountain, 26 Jun 2022, RT

Dysstroma truncata, Avery Co., Sugar Mountain, 24 Jun 2022, RT

Euchlaena tigrinaria, Avery Co., Sugar Mountain, 29 Jun 2022, RT

Rheumaptera hastata, Avery Co., Sugar Mountain, 29 Jun 2022, RT

Hepialidae:

Sthenopsis pretiosus, Jackson Co., Cullowhee, 14 Jun 2022, RT

Noctuidae:

Anicla sulivani, Moore Co., Sandhills, 31 May 2022, RT

Ponometia parvula, Moore Co., Sandhills, 31 May 2022, RT

Notodontidae:

Datana ranaeiceps, Moore Co., Sandhills, 31 May 2022, RT

Hyparpax aurora, Moore Co., Sandhills, 31 May 2022, RT

Saturniidae:

Citheronia sepulcralis, Moore Co., Sandhills, 31 May 2022, RT

Sesiidae:

Podosesia syringae, Orange Co., Hillsborough, 23 Jun 2022, RT

Tortricidae:

Olethreutes hamameliana, Jackson Co., Cullowhee, 14 Jun 2022, RT

South Carolina:

Autostichidae:

- Glyphidocera floridanella*, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**
Sceptea aequepulvella, **Beaufort Co.**, Spring Island, 14 May 2021, BGS, **STATE RECORD**

Batrachedridae:

- Homaledra knudsoni*, **Beaufort Co.**, Spring Island, 14 May 2021 & 13-14 Aug 2021, BGS, **STATE RECORD**
Homaledra sabalella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Blastobasidae:

- Blastobasis floridella*, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS, **STATE RECORD**
Blastobasis pulchella, **Beaufort Co.**, Spring Island, 16 Oct 2021, BGS
Blastobasis pulchella, **Berkeley Co.**, Halfway Creek Rd, 17 May 2020, BGS
Blastobasis pulchella, **Charleston Co.**, 24 Apr 2015, BGS
Blastobasis pulchella, **Richland Co.**, Congaree NP, 23 Apr 2010, BGS, **STATE RECORD**
Calosima lucidella, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Calosima lucidella, **Berkeley Co.**, Halfway Creek Rd, 17 May 2020, BGS
Calosima lucidella, **Charleston Co.**, Halfway Creek Rd, 17 May 2020, BGS, **STATE RECORD**
Calosima melanostriatella, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Calosima melanostriatella, **Berkeley Co.**, Halfway Creek Rd, 17 May 2020, BGS
Calosima melanostriatella, **Charleston Co.**, Halfway Creek Rd, 17 May 2020, BGS, **STATE RECORD**
Pigritia ca. fidella, **Richland Co.**, Congaree NP, 17 Sep 2010, BGS, **STATE RECORD**

Bucculatricidae:

- Bucculatrix ca. staintonella*, **Charleston Co.**, Santee Coastal Reserve, 31 Mar 2023, BGS, **STATE RECORD**

Cosmopterigidae:

- Cosmopterix abdita*, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Cosmopterix bendida, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Cosmopterix floridanella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**
Cosmopterix sinelinea, **Charleston Co.**, Santee Coastal Reserve, 31 Mar 2023, BGS
Teladoma helianthi, **Berkeley Co.**, Francis Marion NF, pitcherplant bog, 17 May 2020, BGS, 2nd record in state
Walshia elegans, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**

Cossidae:

- Givira francesca*, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Crambidae:

- Chilo erianthalis*, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Elophila tinealis, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Glaphyria cappsi, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Haimbachia albescens, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**

Erebidae:

- Estigmene acrea*, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Sigela lynx, **Charleston Co.**, 710 New Market Dr., Mt. Pleasant, 15-20 May 2022, BGS, **STATE RECORD**
Sigela rosea, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**

Gelechiidae:

- Aristotelia ivae*, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Aristotelia pudibundella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Battaristis nigratomella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Chionodes cacula, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Chionodes sevir, **Beaufort Co.**, Spring Island, 15 May 2021, BGS
Coleotechnites albicostatus, **Beaufort Co.**, Spring Island, 14 May 2021, BGS
Coleotechnites australis, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**
Coleotechnites variella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Dichomeris isa, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Neotelphusa querciella, **Beaufort Co.**, Spring Island, 14 May 2021, BGS
Sinoe kwakae, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Geometridae:

- Scopula timandrata*, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Gracillariidae:

- Acrocercops astericola*, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, 2nd record in state
Cameraria caryaefoliella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**
Parectopa robinella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Parornix geminatella, **Beaufort Co.**, Spring Island, 14 May 2021, BGS, **STATE RECORD**
Phyllocnistis ampelopsiella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Phyllonorycter aberrans, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**
Phyllonorycter rileyella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**

Noctuidae:

- Capsula oblonga*, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Condica claufacta, **Beaufort Co.**, Spring Island, 16 Oct 2021, BGS, **STATE RECORD**

Cosmia calami, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Leucania subpunctata, **Beaufort Co.**, Spring Island, 15 May 2021, BGS

Tripudia rectangularis, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Notodontidae:

Datana modesta, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, 2nd state record

Nymphalidae:

Hypolimnas misippus, **Charleston Co.**, Folly Island, 11 Nov 2022, iNAT, **STATE RECORD**, photo record, user lostinamou

Pterophoridae:

Exelastis pumilio, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**

Pyralidae:

Aphomia fulminalis, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, 2nd locality in state

Atheloca subrufella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Goya stictella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Laetilia coccidivora, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Peoria insularis, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Sesiidae:

Carmenta laurelae, **Charleston Co.**, Palmer Bridge Rd, 33.11946N 79.5374W, 2-4 Jun 2022, WJT, in pheromone trap, BGS, **STATE RECORD**

Paranthrene tabaniformis, **Charleston Co.**, Santee Delta WMA, 33.2045N 79.38756W, 5 Jun 2022, WJT, in pheromone trap, BGS, **STATE**

RECORD

Stathmopodidae:

Idioglossa miraculosa, **Beaufort Co.**, Spring Island, 14 May 2021, BGS, 1st specimen record

Tineidae:

Acrolophus cressoni, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, 1st specimen record

Nemapogon acapnopennella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Niditinea sabroskyi, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**

Tinea mandarinella, **Beaufort Co.**, Spring Island, 15 May 2021 & 13-14 Aug 2021, BGS, **STATE RECORD**

Tinea pellionella, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Tischeriidae:

Coptotriche aenea, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**

Tortricidae:

Acleris maculidorsana, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Ancylis laciniana, **Beaufort Co.**, Spring Island, 14 May 2021, BGS, **STATE RECORD**

Cochylis buccera, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**

Cochylis caulocatax, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Coelostathma placidana, **Charleston Co.**, Santee Coastal Reserve, 31 Mar 2023, BGS

Epiblema minutana, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Epiblema praesumptiosa, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Gretchena deludana, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Larisa subsolana, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Lorita baccharivora, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**

Olethreutes osmundana, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS

Pelochrista fiskeana, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, 2nd record in state

Suleima helianthana, **Beaufort Co.**, Spring Island, 14 May 2021 & 13-14 Aug 2021, BGS, **STATE RECORD**

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No reports for Zone 10.

Zone 11: Mexico & the Caribbean Islands

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No reports for Zone 11.

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Left column – Top to bottom: *Gazoryctra sciophanes*, Georgia: Towns Co., Brasstown Bald, just down from parking lot to east, 4200', 11-12 June, 2022, James Adams (STATE RECORD on the 4-6 of June, pg. 41); *Leucoptera erythrinella*, Texas: Liberty Co, Layl Drive, 9 July - 13 August 2022, Stuart Marcus (pg. 26); *Argyresthia annettella*, Manitoba: Eastman Region, Victoria Beach, 10 August 2022, Kyle Johnson, (PROVINCIAL RECORD; pg. 22); *Diaphania infimalis*; Georgia: Glynn Co., Brunswick, 26 August 2022, Mike Chapman (pg. 40). **Middle column** – Top to bottom: *Hyenodes franclemonti*, Manitoba: Eastman Region, Whitemouth Fen, 12 August 2022, Kyle Johnson (PROVINCIAL RECORD; pg. 22); *Antiblemma perva*, Georgia: Glynn Co., Brunswick, 1 January 2022, Mike Chapman (STATE RECORD, pg. 40); *Dasychira dominickaria*, Georgia: Long Co., Townsend North Wildlife Management Area, 2-3 September 2022, James Adams (photo) and Jeff Slotten (pg. 40); *Mouralia tinctoides*, Georgia: Bulloch Co., Statesboro, 30 September - 9 November, 2022, Lance Durden (pg. 41). **Right Column** – Top to bottom: *Cydosia majuscula*, Georgia: Dougherty Co., Chickasawhatchee Wildlife Management Area, 11 April 2022, Roy Cohutta (second location in state, pg. 41); *Megathymus cofaqui*, Georgia: Talbot Co., Chattahoochee Fall Line Wildlife Management Area, Almo Blackjack Tracts, 17 May 2021, Roy Cohutta (pg. 41); *Phrudocentra centrifugaria*, Georgia: Glynn Co., Brunswick, 27 August 2022, Mike Chapman (2nd record for Georgia, pg. 41).