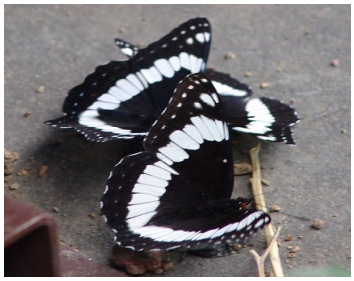
Butterflies and Moths (Lepidoptera) of CRMO

Butterflies and moths are some of the most widely-distributed and recognizable insects. They are found worldwide in nearly every habitat, comprising an estimated 174,250 species. About 700 butterflies and 11,000 moths are found in North America. Over 300 species of Lepidoptera have been documented on Craters of the Moon (CRMO) another 250 may occur here.

Edith's Checkerspot

Lepidopterans feed primarily on nectar from flowers but may derive nourishment from pollen, tree sap, rotting fruit, dung or decaying flesh, and they can get dissolved minerals from wet sand or dirt. Many, however, do not feed at all as adults. They are important as pollinators and are capable of moving pollen over great distances.



Weidemeyer's Admiral

Lepidopterans have a four stage life cycle consisting of the egg, larva *(*caterpillar*)* and chrysalis *(*cocoon*)* before finally emerging as fully formed adults. They employ just about every strategy to avoid winter. Some migrate long distances, others hibernate and some completely die off leaving only the eggs to survive winter and begin the next generation.

Melissa Blue

This list is a work in progress, with so many species in this insect order, it likely always will be! Your observations, pictures and collected specimens (already dead only please) are welcomed and encouraged so that we may continue to build our knowledge of these diverse species.

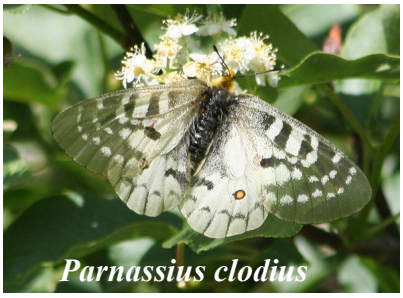
All species on this list have been either documented on CRMO, in one (or more) of the 5 counties CRMO overlaps or elsewhere on the Snake River Plain. Species not specifically documented on CRMO are marked with an L (for Likely) or P (for Possibly) occurs. "Likely" was given to a species when CRMO contains suitable habitat for the species. "Possible" was given to those species for which suitable habitat would be limited on CRMO or when habitat needs are not fully understood.

Acmon Blue

Todd C. Stefanic July 2020 (Rev. 4.0)

Butterflies

Parnassians and Swallowtails (Family Papilionidae)



Parnassians (Subfamily Parnassiinae)

- Clodius Parnassian -- *(Parnassius clodius)* **H**
- Altaurus Parnassian -- *(P. clodius altaurus)* **P Or RMB WFB Ga**
- Phoebus Parnassian -- *(Parnassius phoebus)* **F**
- Rocky Mtn. Parnassian -- *(Parnassius smintheus)* **L BMNA**

Anise Swallowtail

Swallowtails (Subfamily Papilioninae)

- Pale Swallowtail -- *(Papilio eurymedon)* **L BMNA**
- Indra Swallowtail -- *(Papilio indra)* **H BMNA***
- Indra Swallowtail -- *(Papilio indra indra)* **H***
- Two-tailed Swallowtail -- *(Papilio multicaudata)* **H F S**
- Western Tiger Swallowtail -- *(Papilio rutulus)* **H F***
- Anise Swallowtail -- *(Papilio zelicaon (incl. nitra)* **K S**

Whites and Sulphurs (Family Pieridae)

Desert Marble

Whites (Subfamily Pierinae)

- Becker's White -- *(Pontia beckerii)* **D H K F B A**
- Western White -- *(Pontia occidentalis)* **M H**
- Flavous White -- *(Pontia occidentalis occidentalis)* **P WFB**
- Checkered White -- *(Pontia protodice)* **K A**
- Spring White -- *(Pontia sisymbrii)* **K M**
- Spring White -- *(Pontia sisymbrii flavitincta)* **P WFB**
- Margined White -- *(Pieris marginalis)* **L (BMNA)**
- Margined White -- *(Pieris marginalis reicheli)* **L WFB**
- Green-veined white -- *(Pieris napi)* **P H**
- Cabbage White -- *(Pieris rapae)* **H**
- Large Marble -- *(Euchloe ausonides)* **H F**
- Desert Marble -- *(Euchloe lotta)* **K**
- Stella Orangetip -- *(Anthocharis stella)* **L BMNA**
- Sara Orangetip -- *(Anthocharis sara)* **H**

Sara Orangetip

Sulphurs (Subfamily Coliadinae)

- Queen Alexandra's Sulphur -- *(Colias Alexandra)* **A F H**
- Queen Alexandra's Sulphur -- *(Colias Alexandra edwardsii)* **H**
- Christina's Sulphur -- *(Colias christina)* **L ISC Ya**

Clouded Sulphur

- Orange Sulphur -- *(Colias eurytheme)* **H ***
- Giant Sulphur -- *(Colias gigantea)* **B**
- Pelidne Sulphur -- *(Colias pelidne)* **P BMNA**
- Clouded Sulphur -- *(Colias philodice)* **A K B S**

Lustrous Copper

Gossamer-wing Butterflies (Family Lycaenidae)

Coppers (Subfamily Lycaeninae)

- Lustrous Copper -- *(Lycaena cupreus)* **L BMNA**
- Lustrous Copper -- *(Lycaena cupreus cupreus)* **P WFB**
- Edith's copper -- *(Lycaena editha)* **L Cl Ya**
- Edith's copper -- *(Lycaena editha editha)* **P WFB**
- Edith's copper -- *(Lycaena editha vurali)* **P Or**
- Purplish Copper -- *(Lycaena helloides)* **H F A**
- Blue Copper -- *(Lycaena heteronea)* **A S**
- Blue Copper -- *(Lycaena heteronea heteronea)* **H A**
- Klots' Blue Copper -- *(Lycaena heteronea klotsi)* **P Or**
- Mariposa Copper - - *(Lycaena mariposa)* **L BMNA**
- Lilac-bordered Copper -- *(Lycaena nivalis)* **L BMNA**
- Brown's Lilac-bordered Copper -- *(L. nivalis browni)* **P WFB**
- Ruddy Copper -- *(Lycaena rubidus)* **A BMNA**
- Ruddy Copper -- *(Lycaena rubidus rubidus)* **H**

Purplish Copper

Hairstreaks (Subfamily Theclinae)

- Behr's Hairstreak -- *(Satyrium behrii)* **H K S BMNA**
- California Hairstreak -- *(Satyrium californica)* **H K BMNA**
- Sooty Hairstreak -- *(Satyrium fuliginosa)* **H BMNA**
- Sooty Hairstreak -- *(Satyrium fuliginosa fulginosa)* **H**
- Sagebrush Sooty Hairstreak -- *(Satyrium semiluna)* **ISC**
- Sylvan Hairstreak -- *(Satyrium sylvinus)* **L BMNA**
- Sylvan Hairstreak -- *(Satyrium sylvinus nootka)* **P WFB**
- Coral Hairstreak -- *(Satyrium titus)* **H B**
- Coral Hairstreak -- *(Satyrium titus titus)* **H**
- Western Green Hairstreak -- *(Callophrys affinis)* **L BMNA**
- Sheridan's Green Hairstreak -- *(Callophrys sheridanii)* **L BMNA**
- Western Pine Elfin -- *(Callophrys [Incisalia] eryphon)* **L BMNA**
- Thicket Hairstreak -- *(Callophrys spinetorum)* **H**
- Juniper Hairstreak -- *(Callophrys [Mitoura] gryneus)* **K**
- Gray Hairstreak -- *(Strymon melinus)* **L BMNA**

Male & Female Blue Copper

Blues (Subfamily Polyommatinae)

- Echo Azure -- *(Celastrina echo)* **BMNA**
- Spring Azure -- *(Celastrina ladon)* **P BMNA**
- Reakirt's Blue -- *(Echinargus isola)* **L BMNA**

Coral Hairstreak

- Rocky Mountain Dotted-Blue -- *(Euphilotes ancilla)* **Ut BMNA**
- Western Square-dotted Blue -- *(Euphilotes battoides)* **H B***
- Silvery Blue -- *(Glaucopsyche lygdamus)* **H**
- Arrowhead Blue -- *(Glaucopsyche piasus)* **A F K B**
- Arrowhead Blue -- *(Glaucopsyche piasus toxeuma)* **P WFB**
- Acmon Blue -- *(Plebejus acmon)* **A H F**
- Boisduval's Blue -- *(Plebejus icarioides)* **H F M A**
- Northern Blue -- *(Plebejus idas)* **P BMNA**
- Dark-edged Blue -- *(Plebejus idas atrapraetextus)* **Ha**
- Lupine Blue -- *(Plebejus lupini)* **M BMNA**
- Melissa Blue -- *(Plebejus melissa)* **K F A BMNA**
- Melissa Blue -- *(Plebejus melissa melissa)* **Ha WFB**
- Greenish Blue -- *(Plebejus saepiolus)* **L BMNA**
- Greenish Blue -- *(Plebejus saepiolus amica)* **P WFB GBIF**
- Shasta Blue -- *(Plebejus shasta)* **L ISC LS**
- Western Pygmy Blue -- *(Brephidium exilis)* **A**

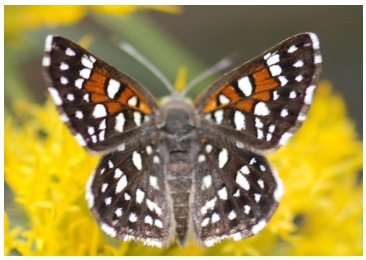
Western Square-dotted Blue

Melissa Blue

Metalmarks (Family Riodinidae)

True Metalmarks (Subfamily Riodininae)

- Mormon metalmark -- *(Apodemia mormo)* **M S**



Mormon metalmark

Brush-footed Butterflies (Family Nymphalidae)

Heliconians and Fritillaries (Subfamily Heliconiinae)

- Pacific Fritillary -- *(Boloria epithore)* **P BMNA**
- Chermock's Meadow Fritillary -- *(B. epithore chermocki)* **P WFB**
- Silver-bordered Fritillary -- *(Boloria selene)* **L BMNA ISC**
- Silver-bordered Fritillary -- *(Boloria selene atrocostalis)* **P WFB**
- Mexican Fritillary -- *(Euptoieta hegesia)* **P BMNA**
- Callippe Fritillary -- *(Speyeria callippe)* **FA S BMNA**
- Mt. Wheeler Fritillary -- *(Speyeria callippe harmonia)* **H**
- Nevada Callippe Fritillary -- *(Speyeria callippe nevadensis)* **H**
- Coronis Fritillary -- *(Speyeria coronis)* **H F A BMNA**
- Snyder's Fritillary -- *(Speyeria coronis snyderi)* **H**
- Great Spangled Fritillary -- *(Speyeria cybele)* **K F**
- Leto Fritillary -- *(Speyeria cybele leto)* **P LS WFB**
- Great Basin Fritillary -- *(Speyeria egleis)* **BMNA**
- Great Basin Fritillary -- *(Speyeria egleis macdunnoughi)* **H**
- Northwestern Fritillary -- *(Speyeria hesperis)* **L BMNA ICS**
- Northwestern Fritillary -- *(Speyeria hesperis viola)* **P Cl WFB**
- Hydaspe Fritillary -- *(Speyeria hydaspe)* **L BMNA**
- Rhodope Fritillary -- *(Speyeria hydaspe sakuntala)* **P Ga WFB**

Coronis Fritillary

- Mormon Fritillary -- *(Speyeria mormonia)* **L BMNA, ISC**
- Eurynome Fritillary -- *(Speyeria mormonia eurynome)* **H**
- Zerene Fritillary -- *(Speyeria zerene)* **H S***
- Skinner's Fritillary -- *(Speyeria zerene gunderi)* **H**
- Painted Fritillary -- *(Speyeria zerene picta)* **P RMB**
- Skinner's Fritillary -- *(Speyeria zerene platina)* **H**

California Tortoiseshell

True Brush-foots (Subfamily Nymphalinae)

- Northern Checkerspot -- *(Chlosyne palla)* **L BMNA**
- Northern Checkerspot -- *(Chlosyne palla blackmorei)* **P WFB**
- Sagebrush Checkerspot -- *(Chlosyne acastus)* **L BMNA**
- Variegated Checkerspot-- *(Euphydryas chalcedona)* **H K B**
- Anicia Checkerspot -- *(Euphydryas anicia)* **H**
- Anicia Checkerspot -- *(Euphydryas colon)* **H***
- Edith's Checkerspot -- *(Euphydryas editha)* **F**
- Gillett's Checkerspot -- *(Euphydryas gillettii)* **L BMNA**
- Green Comma -- *(Polygonia faunus)* **P BMNA**
- 'Green' Green Comma -- *(Polygonia faunus faunus)* **P Ut**
- Green Comma -- *(Polygonia faunus rusticus)* **P WFB**
- Hoary Comma -- *(Polygonia gracilis)* **M**
- Zephyr Comma -- *(Polygonia gracilis zephyrus)* **H***
- Satyr Comma -- *(Polygonia satyrus)* **M F**
- Mourning Cloak -- *(Nymphalis antiopa)* **H***
- California Tortoiseshell *(Nymphalis californica)* **H M S**
- Compton's Tortoiseshell -- *(Nymphalis vaualbum)* **B**
- Milbert's Tortoiseshell -- *(Aglais milberti)* **H M**
- Milbert's Tortoiseshell -- *(Aglais milberti furcillata)* **H***
- Northern Crescent -- *(Phyciodes cocyta)* **P BMNA**
- Mylitta Crescent -- *(Phyciodes mylitta)* **M**
- Pale Crescent -- *(Phyciodes pallida)* **L BMNA ISC**
- Barnes' Crescent -- *(Phyciodes pallida barnesi)* **P WFB**
- Field Crescent -- *(Phyciodes pulchella)* **H**
- Field Crescent -- *(Phyciodes pulchella pulchella)* **WFB**
- West Coast Lady -- *(Vanessa annabella)* **L BMNA ISC**
- Red Admiral -- *(Vanessa atalanta)* **L BMNA LS**
- Painted Lady -- *(Vanessa cardui)* **H K S**
- American Lady -- *(Vanessa virginiensis)* **P BMNA**

Hoary Comma

Lorquin's Admiral

Admirals and Relatives (Subfamily Limenitidinae)

- Viceroy -- *(Limenitis archippus)* **M**
- Lorquin's Admiral -- *(Limenitis lorquini)* **L BMNA**
- Weidemeyer's Admiral -- *(Limenitis weidemeyerii)* **H F***

Viceroy

Satyrs (Subfamily Satyrinae)

- Common Ringlet -- *(Coenonympha tullia)* **A H K F***

- Small Wood Nymph -- *(Cercyonis oetus)* **K M***
- Charon Satyr -- *(Cercyonis oetus charon)* **P WFB**
- Dark Wood Nymph -- *(Cercyonis oetus oetus)* **H**
- Great Basin Wood Nymph -- *(Cercyonis sthenele)* **P DL**
- Common Wood Nymph -- (Cercyonis pegala) **L BMNA**
- Common Alpine -- *(Erebia epipsodea)* **F BMNA**
- Common Alpine -- *(Erebia epipsodea epipsodea)* **H**
- Chryxus Arctic -- *(Oeneis chryxus)* **L BMNA**
- Brown Chryxus Arctic -- *(Oeneis chryxus chryxus)* **P WFB**

Common Wood Nymph

Monarchs (Subfamily Danainae)

- Monarch -- *(Danaus plexippus)* **H M S***

Common Sootywing

Skippers (Family Hesperiidae)

Spread-wing Skippers (Subfamily Pyrginae)

- Arctic Skipper -- *(Carterocephalus palaemon)* **P BMNA ISC WFB**
- Arctic Skipper -- *(Carterocephalus palaemon mandan)* **P WFB**
- Silver-spotted Skipper -- *(Epargyreus clarus)* **P BMNA**
- Dreamy Duskywing -- *(Erynnis icelus)* **F H BMNA**
- Persius Duskywing -- *(Erynnis persius)* **F**
- Common Checkered-Skipper -- *(Pyrgus communis)* **K F A**
- Two-banded Checkered Skipper -- *(Pyrgus ruralis)* **L BMNA**
- Northern White-Skipper -- *(Heliopetes ericetorum)* **A H**
- Common Sootywing -- *(Pholisora catullus)* **H**

Draco Skipper

Grass Skippers (Subfamily Hesperiinae)

- Garita Skipperling -- *(Oarisma garita)* **L BMNA**
- Western Branded Skipper -- *(Hesperia colorado)* **M***
- Idaho Branded Skipper -- *(Hesperia colorado harpalus)* **P H***
- Common Branded Skipper -- *(Hesperia comma)* **A**
- Juba Skipper -- *(Hesperia juba)* **K S**
- Sonora Skipper -- *(Polites sonora)* **L BMNA**
- Utah Skipper -- (*Polites sonora utahensis*) **P Or WFB**
- Sandhill Skipper -- *(Polites sabuleti)* **L BMNA**
- Alkaline Sandhill Skipper – *(Polites sabuleti alkaliensis)* **CPG**
- Draco Skipper -- *(Polites draco)* **H B**
- Woodland Skipper -- *(Ochlodes sylvanoides)* **H Na BMNA**
- Woodland Skipper -- *(Ochlodes sylvanoides sylvanoides)* **H**

Arachnis citra

Moths

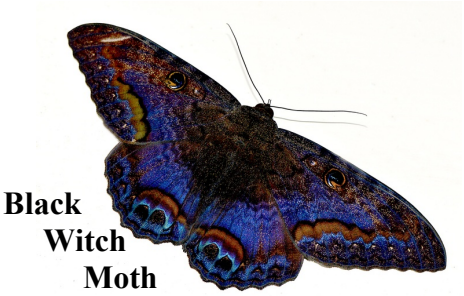
Tiger Moths (Family Erebidae)

Tiger and Lichen Moths (Subfamily Arctiinae)

- An Arachnis Moth -- *(Arachnis citra)* **J PNWM**
- Yellow-collared Scape Moth -- *(Cisseps fulvicollis)* **H PNWM**
- A Cisthene Moth -- *(Cisthene barnesii)* **P PNWM**
- Oregon Tiger Moth -- *(Cycnia oregonensis)* **P LS CPG PNWM**
- Dogbane Tiger Moth -- *(Cycnia tenera)*
- Salt Marsh Moth -- *(Estigmene acrea)* **P PNWM**
- Great Tiger Moth -- *(Arctia caja)* **S**
- Wood Tiger Moth -- *(Arctia plantaginis)* **P Ya**
- Nevada Tiger Moth -- *(Grammia nevadensis)* **H**
- Ornate Tiger Moth -- *(Grammia ornata)* **P PNWM**
- Virgin Tiger Moth -- *(Grammia virgo)* **P PNWM**
- Williams Tiger Moth -- *(Grammia williamsii)* **H***
- Ranchman's Tiger Moth -- (*Platyprepia virginalis)* **H S J C**
- Wandering Tiger Moth -- *(Spilosoma vagans)* **P BMNA**
- Virginian Tiger Moth -- *(Spilosoma virginica)* **P PNWM**
- Police Car Moth -- *(Gnophaela vermiculata)* **H S***
- Fall Webworm Moth -- *(Hyphantria cunea)* **H PNWM**
- A Lichen Moth -- *(Hypoprepia inculta)* **P PNWM**
- Spotted Tussock Moth -- *(Lophocampa maculata)* **P PNWM**

Great Tiger Moth

Nevada Tiger Moth



Black Witch Moth

Subfamily Boletobiinae

- A Hemeroplanis Moth -- *(Hemeroplanis historialis)* **P PNWM**

Erebine Moths (Subfamily Erebinae)

- Black Witch Moth -- (*Ascalapha odorata*) **P**
- Shadowy Arches Moth – *(Drasteria adumbrata)* **P LS**
- A Drasteria Moth – *(Drasteria hastingsii)* **U H PNWM**
- A Drasteria Moth -- *(Drasteria howlandii)* **H***
- A Drasteria Moth - - *(Drasteria mirifica)* **H LS PNWM**
- Cowhead Arches Moth -- *(Drasteria pallescens)* **L LS PNWM**
- Perplexed Arches Moth -- *(Drasteria perplexa)* **L PNWM**
- A Drasteria Moth -- *(Drasteria sabulosa)* **H**
- A Drasteria Moth -- *(Drasteria stretchii)* **H**
- A Drasteria Moth -- *(Drasteria tejonica)* **P H**
- Merry Melipotis Moth -- *(Melipotis jucunda hadeniformis)* **L MB H**
- Herald Moth -- *(Scoliopteryx libatrix)* **H***
- Joined Underwing Moth-- (*Catocala junctura*) **L H PNWM**

Police Car Moth

Merry Melipotis

Tussock Moths (Subfamily Lymantriinae)

- Rusty Tussock Moth -- *(Orgyia antiqua)* **F**
- An Orgyia Moth -- *(Orgyia cana)* **W PNWM**
- Douglas-Fir Tussock Moth -- *(Orgyia pseudotsugata)* **H S**
- Satin Moth -- *(Leucoma salicis)* **L S**

Catocala junctura

Litter Moths (Subfamily Herminiinae)

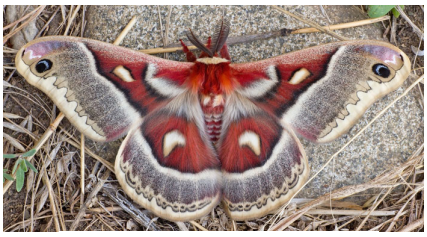
- Immaculate Idia Moth -- *(Idia immaculalis)* **L PNWM**
- Glossy Black Idia Moth -- *(Idia lubricalis)* **P, H**
- An Idia Moth -- *(Idia occidentalis)* **PNWM**
- An Idia Moth -- *(Idia suffusalis)* **L PNWM**

Nuttall's Sheepmoth

Subfamily Hemileucinae

- Hop Looper -- *(Hypena humuli)* **H**

Wild Silk Moths (Family Saturniidae)



Glover's Silk Moth

Buck and lo Moths (Subfamily Hemileucinae)

- Hera Buckmoth -- *(Hemileuca hera)* **S**
- Hera Buckmoth -- *(Hemileuca hera hera)* **P RMB**
- Elegant Sheepmoth -- *(Hemileuca eglanterina)* **P PNWM**
- Nuttall's Sheepmoth -- *(Hemileuca nuttalli)* **H S**

Elegant Sheepmoth

Giant Silkworm Moths (Subfamily Saturniinae)

- Columbia Silkmoth -- *(Hyalophora columbia)* **BMNA**
- Glover's Silkmmoth -- *(Hyalophora gloveri)* **H***
- Polyphemus Moth -- *(Antheraea polyphemus)* **S**

Sphinx and Hawkmoths (Family Sphingidae)

Subfamily Sphinginae

- Five-spotted Hawkmoth -- *(Manduca quinquemaculata)* **P BMNA**
- Small-eyed sphinx moth -- *(Paonias myops)* **L ISC PNWM**
- Doll's Sphinx Moth -- *(Sphinx dollii)* **P PNWM**
- Wild Cherry Sphinx Moth -- *(Sphinx drupiferarum)* **P PNWM**
- Elegant sphinx -- *(Sphinx perelegans)* **P H**
- Vashti sphinx Moth -- *(Sphinx vashti)* **H**

Subfamily Smerinthinae

- One-eyed sphinx -- *(Smerinthus cerisyi)* **H**
- Twin spotted sphinx-- *(Smerinthus jamaicensis)* **P H**
- Twin spotted sphinx-- *(Smerinthus opthalmica)* **H* PNWM**
- Modest sphinx -- *(Pachysphinx modesta)* **H**
- Western Poplar Sphinx -- *(Pachysphinx occidentalis)* **H* PNWM**

One-Eyed Sphinx

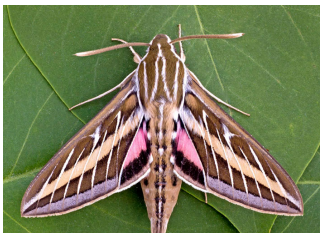
Subfamily Macroglossinae

- Wiest's Primrose Sphinx -- *(Euproserpinus wiesti)* **P PNWM**
- Rocky Mountain Clearwing Moth -- *(Hemaris thetis)* **H**
- Clark's Sphinx -- *(Proserpinus clarkiae)* **H**
- White-lined sphinx -- *(Hyles lineata)* **H S***

Owlet Moths and Miller Moths (Family Noctuidae)

Subfamily Plusiinae

- Alfalfa Looper Moth -- *(Autographa californica)* **H**
- Celery Looper Moth -- *(Anagrapha falcifera)* **L S ISC LS PNWM**
- Western Conifer Looper -- *(Syngrapha celsa)* **S PNWM**
- Cabbage Looper -- *(Trichoplusia ni)* **P CPG**



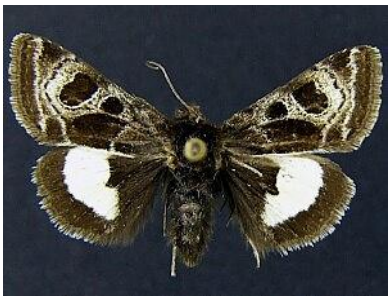
White-lined Sphinx

Subfamily Condicinae

- A Groundling Moth -- *(Condica discistriga)* **H PNWM**
- A Groundling Moth -- *(Condica mersa)* **H PNWM**

Forester Moths (Subfamily Agaristinae)

- A Wood Nymph Moth-- *(Eudryas brevipennis)* **P BMNA**



Heliothis belladonna

Flower Moths (Subfamily Heliothinae)

- White-spotted Midget Moth -- *(Eutricopis nexilis)* **L BG**
- A Heliothis Moth -- *(Heliothis belladonna)* **Mf PNWM**
- Paradoxical Grass Moth -- *(Heliocheilus paradoxus)* **H**
- Acute-lined Flower Moth -- *(Schinia acutilinea)* **H**
- A Flower Moth -- *(Schinia albafascia)* **H**
- Arcigera Flower Moth -- *(Schinia arcigera)* **P PNWM**
- A Flower Moth -- *(Schinia biundulata)* **H PNWM**
- A Flower Moth -- *(Schinia crotchii)* **P PNWM**
- Primrose Moth -- *(Schinia florida)* **P PNWM**
- Clouded Crimson Moth -- *(Schinia gaurae)* **P PNWM**
- Mead's Flower Moth -- *(Schinia meadi)* **P PNWM**

- A Flower Moth -- *(Schinia mortua)* **P PNWM**
- A Flower Moth -- *(Schinia sexplagiata)* **P BMNA**
- A Flower Moth -- *(Schinia tertia)* **L PNWM**
- A Flower Moth -- *(Schinia tobia)* **P H**
- A Flower Moth -- *(Schinia vacciniae)* **P BMNA**

White-marked Midget Moth

Rusty Shoulder Knot Moth

Subfamily Psaphidinae

- A Triocnemis Moth -- *(Triocnemis saporis)* **H**

Subfamily Noctuinae

- Dark Dart Moth -- *(Abagrotis duanca)* **H**
- An Abagrotis Moth -- *(Abagrotis forbesi)* **H PNWM**
- Coastal Heathland Cutworm Moth -- *(Abagrotis nefascia)* **H**
- Well-marked Cutworm Moth -- *(Abagrotis orbis)* **H**
- Pale-edged Dart Moth -- *(Abagrotis vittifrons)* **H**
- Pale Western Cutworm -- *(Agrotis orthogonia)* **L ISC WFB PNWM**
- An Ear Moth – *(Amphipoea keiferi)* **P RMB PNWM**
- An Owlet Moth -- *(Andropolia aedon)* **P RMB**
- Canadian Giant Moth -- *(Andropolia contacta)* **P RMB**
- Yellow-headed cutworm Moth -- *(Apamea amputatrix)* **H**
- An Apamea Moth -- *(Apamea burgessi)* **L PNWM**
- Thoughtful Apamea Moth -- *(Apamea cogitata)* **P RMB**
- Glassy Cutworm Moth -- *(Apamea devastator)* **P PNWM**
- An Apamea Moth -- *(Apamea inordinata)* **H**
- An Apamea Moth -- *(Apamea longula)* **L PNWM**
- Snowy-veined Apamea Moth -- *(Apamea niveivenosa)* **L PNWM**
- Western Apamea Moth -- *(Apamea occidens)* **H***
- An Apamea Moth -- *(Apamea scoparia)* **H**
- Spalding's Quaker Moth -- *(Apamea spaldingi)* **L PNWM**
- Rusty Shoulder Knot Moth -- *(Aseptis binotata)* **H PNWM**
- An Aseptis Moth -- *(Aseptis characta)* **H**
- An Aseptis Moth -- *(Aseptis fumosa)* **H PNWM**
- An Aseptis Moth -- *(Aseptis paviae)* **H**
- An Owlet Moth -- *(Brachylomia discolor)* **L AJC**
- Rare Sand Quaker Moth – *(Caradrina meralis)* **P PNWM**
- Civil Rustic Moth -- *(Caradrina montana)* **H ISC LS PNWM**
- A Caradrina Moth -- *(Caradrina camina)* **Me H PNWM**
- A Copablepharon Moth -- *(Copablepharon canariana)* **H* PNWM**
- Wheat Head Armyworm Moth -- *(Dargida diffusa)* **Y**
- Olive Green Cutworm Moth -- *(Dargida procinctus)* **H**
- Smoked Sallow Moth -- *(Enargia infumata)* **H**
- An Owlet Moth -- *(Euxoa astristrigata)* **L PNWM**
- Army Cutworm Moth -- *(Euxoa auxiliaris)* **H S**
- An Owlet Moth -- *(Euxoa brevipennis)* **L PNWM**
- An Owlet Moth -- *(Euxoa catenula)* **L PNWM**
- An Owlet Moth -- *(Euxoa choris)* **H WFB PNWM**

Yellow-headed Cutworm Moth

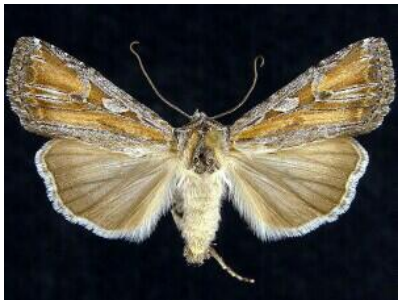
Olive Green Cutworm Moth

Smoked Sallow Moth

- An Owlet Moth -- *(Euxoa cicatricosa)* **L PNWM**
- An Owlet Moth -- *(Euxoa cinereopallidus)* **L PNWM**
- An Owlet Moth -- *(Euxoa comosa)* **H**
- Divergent Dart Moth -- *(Euxoa divergens)* **P Ya**
- An Owlet Moth -- *(Euxoa edictalis)* **L PNWM**
- A Dart Moth -- *(Euxoa excogita)* **P Ya**
- An Owlet Moth --*(Euxoa furtivus)* **H PNWM**
- An Owlet Moth -- *(Euxoa idahoensis)* **H**
- An Owlet Moth -- *(Euxoa infausta)* **H**
- An Owlet Moth -- *(Euxoa intermontane)* **L PNWM**
- An Owlet Moth -- *(Euxoa laetificans)* **H**
- Reaper Dart Moth -- *(Euxoa messoria)* **H**
- Sordid Dart Moth -- *(Euxoa mimallonis)* **Me PNWM**
- Sordid Dart Moth -- *(Euxoa mimallonis gagates)* **H**
- An Owlet Moth -- *(Euxoa moerens)* **L PNWM**
- An Owlet Moth -- *(Euxoa nevada)* **L PNWM**
- An Owlet Moth -- *(Euxoa nostra)* **H**
- An Owlet Moth -- *(Euxoa oblongistigma)* **L PNWM**
- Red-backed cutworm Moth -- *(Euxoa ochrogaster)* **H**
- An Owlet Moth -- *(Euxoa olivalis)* **H**
- An Owlet Moth -- *(Euxoa olivia)* **L PNWM**
- An Owlet Moth -- *(Euxoa plagigera)* **H**
- Fawn Brown Dart Moth -- *(Euxoa pleuritica)* **L PNWM**
- A Dart Moth -- *(Euxoa pluralis)* **H**
- An Owlet Moth -- *(Euxoa punctigera)* **H**
- An Owlet Moth -- *(Euxoa ridingsiana)* **L PNWM**
- An Owlet Moth -- *(Euxoa scotogrammoides)* **H PNWM**
- An Owlet Moth -- *(Euxoa septentrionalis)* **H**
- Slave Dart Moth -- *(Euxoa servitus)* **ISC GBIF WFB**
- An Owlet Moth -- *(Euxoa simona)* **H**
- An Owlet Moth -- *(Euxoa simulata)* **H PNWM**
- A Dart Moth -- *(Euxoa terrenus)* **P Ya**
- Tessellate Dart Moth -- *(Euxoa tessellata)* **H PNWM**
- An Owlet Moth -- *(Euxoa tristicula)* **L PNWM**
- Dingy Cutworm Moth -- *(Feltia jaculifera)* **JM PNWM**
- A Hydraecia Moth --*(Hydraecia medialis)* **L PNWM**
- A Neoligia Moth -- *(Neoligia albirena)* **H PNWM**
- A Neoligia Moth -- *(Neoligia tonsa)* **H**
- Large Yellow Underwing Moth -- *(Noctua pronuba)* **P BG**
- A Brocade Moth -- *(Oligia divesta)* **P RMB**
- Violet Brocade Moth -- *(Oligia violacea)* **P RMB**
- A Parabagrotis Moth -- *(Parabagrotis exsertistigma)* **H**
- A Parabagrotis Moth -- *(Parabagrotis insularis)* **H PNWM**
- A Parabagrotis Moth -- *(Parabagrotis sulinaris)* **L W PNWM**
- A Protogygia Moth -- *(Protogygia enalaga)* **H**
- Lagena Dart Moth -- *(Protogygia lagena)* **L PNWM**
- A Protogygia Moth -- *(Protogygia postera)* **L PNWM**
- A Rhizagrotis Moth -- *(Rhizagrotis albalis)* **L PNWM**
- A Rhizagrotis Moth -- *(Rhizagrotis cloanthoides)* **L PNWM**

Divergent Dart Moth

Red-backed Cutworm Moth



Euxoa pluralis

Violet Brocade Moth

- A Pseudanarta Moth -- *(Pseudanarta caeca)* **H**
- A Pseudanarta Moth -- *(Pseudanarta crocea)* **H**
- A Pseudanarta Moth -- *(Pseudanarta flava)* **L PNWM**
- A Spaelotis Moth -- *(Spaelotis bicava)* **H PNWM**
- Clandestine Dart Moth -- *(Spaelotis clandestina)* **H PNWM**
- Western W-marked Cutworm -- *(Spaelotis havilae)* **H**
- A Spaelotis Moth -- *(Spaelotis velicava)* **H PNWM**
- A Ufeus Moth -- *(Ufeus hulstii)* **H**
- Grote's Satyr Moth -- *(Ufeus satyricus)* **S**
- A Dart Moth -- *(Setagrotis pallidicollis)* **H**
- A Dart Moth -- *(Setagrotis vocalis)* **WFB ISC**
- A Sideridis Moth -- *(Sideridis fuscolutea)* **L PNWM**
- A Sideridis Moth -- *(Sideridis uscripta)* **H**
- A Trichocerapode Moth -- *(Trichocerapoda oblita)* **H PNWM**
- A Trichocerapode Moth -- *(Trichocerapoda strigata)* **H PNWM**
- A Dart Moth -- *(Xestia conchis)* **P CPG**
- A Dart Moth -- *(Xestia finatimis)* **P PNWM**
- Elder Moth -- *(Zotheca tranquilla)* **H***

Pseudanarta crocea

Elder Moth

Tuft Moths (Subfamily Nolidae)

- Blurry-patched Nola Moth – *(Nola cilicoides)* **P LS**

Subfamily Acronictinae

- Fingered Dagger Moth -- *(Acronicta dactylina)* **H PNWM**
- American Dagger Moth -- *(Acronicta Americana)* **L PNWM**
- American Dagger Moth -- *(Acronicta Americana eldora)* **H**
- A Dagger Moth -- *(Acronicta strigulata)* **H**
- Speared Dagger Moth -- *(Acronicta hasta)* **P PNWM**
- Yellow-haired Dagger Moth -- *(Acronicta impleta)* **P PNWM**
- Impressed Dagger Moth -- *(Acronicta impressa)* **P PNWM**
- Henry's Marsh Moth -- *(Simyra insularis)* **P PNWM**

Blurry-patched Nola Moth

Subfamily Acontiinae

- Prairie Bird-dropping Moth -- *(Ponometia binocula)* **P LS PNWM**
- Olive-shaded Bird Dropping Moth -- *(Ponometia candefacta)* **P PNWM**
- Arizona Bird Dropping Moth -- *(Ponometia elegantula)* **P PNWM**
- A Bird-dropping Moth -- *(Ponometia sutrix)* **P PNWM**
- A Bird-dropping Moth -- *(Ponometia tortricina)* **P PNWM**

Subfamily Amphipyrinae

- An Owlet Moth -- *(Plagiomimicus expallidus)* **P PNWM**
- Frosty Moth -- *(Plagiomimicus spumosum)* **P LS PNWM**

Acronicta strigulata

Subfamily Hadeninae

- An Anarta Moth -- *(Anarta crotchii)* **Ms PNWM**
- An Anarta Moth -- *(Anarta fusculenta)* **H PNWM**
- Nutmeg Moth -- *(Anarta trifolii)* **L PNWM**
- Olive Arches Moth -- *(Lacinipolia olivacea)* **H**
- A Lacinipolia Moth -- *(Lacinipolia pensilis)* **H PNWM**
- Brown Arches Moth -- *(Lacinipolia stricta)* **H PNWM**
- Brown Arches Moth -- *(Lacinipolia stricta tenisca)* **H**
- Collared Arches Moth -- *(Lacinipolia strigicollis)* **L PNWM**
- Neighbourly Arches Moth -- *(Lacinipolia vicina)* **P PNWM**
- Meadow Wainscott Moth -- *(Leucania farcta)* **L (ISC PNWM WFB)**
- A Polia Moth -- *(Polia nugatis)* **P PNWM**
- A Polia Moth -- *(Polia piniae)* **P PNWM**
- A Tholera Moth -- *(Tholera americana)* **L PNWM**
- A Scotogramma Moth -- *(Scotogramma fervida)* **L PNWM**
- A Scotogramm Moth -- *(Scotogramma orida)* **L PNWM**
- A Scotogramm Moth -- *(Scotogramma stretchii)* **L PNWM**
- A Homorthodes Moth -- *(Homorthodes discreta)* **L PNWM**
- Alder Quaker Moth -- *(Homorthodes communis)* **H**
- Northern Scurfy Quaker Moth -- *(Homorthodes furfurata)* **H PNWM**

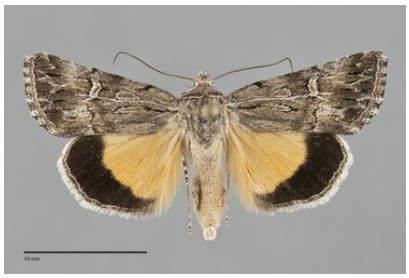
Olive Arches Moth

Collared Arches Moth

Subfamily Cuculliinae

- A Cucullia Moth -- *(Cucullia antipoda)* **H PNWM**
- A Cucullia Moth -- *(Cucullia dorsalis)* **L PNWM**
- Intermediate Hooded Owl Moth -- *(Cucullia intermedia)* **P PNWM**
- A Cucullia Moth -- *(Cucullia luna)* **L PNWM**
- A Cucullia Moth -- *(Cucullia mcdunnoughi)* **P PNWM**
- Mountain Hooded Owlet -- *(Cucullia montanae)* **H**
- A Cucullia Moth -- *(Cucullia pulla)* **S**
- A Cucullia Moth -- *(Cucullia similaris)* **H *in* PNWM**
- Speyer's Cucullia Moth -- *(Cucullia speyeri)* **L PNWM**
- A Lithophane moth -- *(Lithophane sp.)* **S**
- Large Grey Pinion Moth -- *(Lithophane georgii.)* **L PNWM**
- A Sympistis Moth -- *(Sympistis albifasciata)* **P PNWM**
- A Sympistis Moth -- *(Sympistis apep)* **P PNWM**
- A Sympistis Moth -- *(Sympistis chorda)* **P (H)**
- A Sympistis Moth -- *(Sympistis coprocolor)* **P PNWM**
- A Sympistis Moth -- *(Sympistis corusca)* **H PNWM**
- A Sympistis Moth -- *(Sympistis figurata)* **P Ya**
- A Sympistis Moth -- *(Sympistis hayesi)* **L PNWM**
- A Sympistis Moth -- *(Sympistis incubus)* **L PNWM**
- A Sympistis Moth -- *(Sympistis iricolor)* **P PNWM**
- A Sympistis Moth -- *(Sympistis lacticollis)* **L PNWM**
- A Sympistis Moth -- *(Sympistis major)* **P PNWM**
- A Sympistis Moth -- *(Sympistis mirificalis)* **P PNWM**
- A Sympistis Moth -- *(Sympistis perscripta)* **P PNWM**

Herald Moth



Sympistis mirificalis

- A Sympistis Moth -- *(Sympistis poliochroa)* **P PNWM**
- A Sympistis Moth -- *(Sympistis punctilinea)* **P PNWM**
- A Sympistis Moth -- *(Sympistis sesmu)* **P PNWM**
- A Sympistis Moth -- *(Sympistis seth)* **P PNWM**
- A Sympistis Moth -- *(Sympistis simplex)* **P PNWM**
- A Sympistis Moth -- *(Sympistis sokar)* **H PNWM**
- A Sympistis Moth -- *(Sympistis tenuifascia)* **P PNWM**
- A Sympistis Moth -- *(Sympistis umbrifascia)* **P PNWM**

Chlorosea margaretaria

Lappet Moths (Family Lasiocampidae)

Subfamily Lasiocampinae

- Lappet Moth -- *(Phyllodesma Americana)* **L PNWM**
- Western tent caterpillar -- *(Malacosoma californica)* **H St PNWM***
- Forest tent caterpillar -- *(Malacosoma disstria)* **H**

Lappet Moth

Geometer and Looper Moths (Family Geometridae)

Greens, Emeralds (Subfamily Geometrinae)

- A Chorosea Moth -- *(Chlorosea margaretaria)* **H**
- A Chlorosea Moth -- *(Chlorosea nevadaria)* **H T**

Dark Marbled Carpet Moth

Subfamily Larentiinae

- Dark Marbled Carpet Moth -- *(Dysstroma citrata)* **H**
- Formosa Carpet Moth -- *(Dysstroma formosa)* **H**
- A Stamnodes Moth -- *(Stamnodes marmorata)* **H**
- An Entephria Moth -- *(Entephria multivagata)* **H**
- A Eupithecia Moth -- *(Eupithecia sp.)* **H**
- A Nasusina Moth. -- *(Nasusina sp.)* **H**

Indian Blanket Moth

Subfamily Ennominae

- Californian Granite Moth -- *(Digrammia californiaria)* **H**
- Shaded Granite Moth -- *(Digrammia curvata)* **H**
- Dark-bordered Granite Moth -- *(Digrammia neptaria)* **H**
- A Geometer Moth -- *(Digrammia setonana)* **P WFB**
- A Geometer Moth -- *(Digrammia ubiquitata)* **RMB**
- Indian Blanket Moth -- *(Caripeta aequaliaria)* **H**
- Sharp-lined Yellow Moth -- *(Sicya macularia)* **H**
- A Glena Moth -- *(Glena nigricaria)* **H**
- A Neoterpes Moth -- *(Neoterpes trianguliferata)* **H**
- A Pero Moth -- *(Pero mizon)* **P WFB**
- A Pero Moth -- *(Pero modestus)* **H**
- Western Pero Moth -- *(Pero occidentalis packardi)* **H**

Sharp-Lined Yellow

- Sagebrush Girdle Moth -- *(Plataea trilinearia)* **H**
- A Spanworm Moth -- *(Prochoerodes amplicineraria)* **L CPG**
- Sulphur Moth -- *(Hesperumia sulphuraria)* **H**
- An Ennominae Moth -- *(Eudrepanulatrix rectifascia)* **P H**
- A Geometer Moth -- *(Macaria occiduaria)* **P RMB**
- An Angle Moth -- *(Speranza colata)* **H**
- Lorquin's Angle -- *(Speranza lorquinaria)* **H**
- A Geometer Moth -- *(Stenoporpia pulmonaria)* **P Mi**
- A Geometer Moth -- *(Stenoporpia pulmonaria satisfacta)* **P Mi**
- A Geometer Moth -- *(Tetracis formosa)* **P (BMNA)**
- October Thorn Moth -- *(Tetracis jubararia)* **S (BMNA)**

Sagebrush Girdle Moth

Webworms (Family Crambidae)

Stenoporpia pulmonaria

Subfamily Odontiinae

- A Gyros Moth -- *(Gyros muirii)* **H**

Subfamily Pyraustinae

- Alfalfa Webworm Moth -- *(Loxostege cereralis)* **S**
- A Loxostege Moth -- *(Loxostege commixtalis)* **L ISC**
- A Pyrausta Moth -- *(Pyrausta fodinalis)* **H**
- A Grass Moth -- *(Pyrausta nicalis)* **P ISC**
- Orange Mint Moth -- *(Pyrausta orphisalis)* **P ISC**
- A Grass Moth -- *(Pyrausta subsequalis)* **P ISC**
- A Crambid Snout Mouth -- *(Pyrausta semirubralis)* **H**
- Pussytoes Pyrausta Moth -- *(Pyrausta unifascialis)* **H**
- A Mecyna Moth -- *(Mecyna mustelinalis)* **H**
- Dusky Saucrobotyis Moth -- *(Saucrobotys fumoferalis)* **H**

Gyros muirii

Subfamily Scopariinae

- A Scoparia Moth -- *(Scoparia sp.)* **H**

Subfamily Crambinae

- Western Lawn Moth -- *(Tehama bonifatella)* **L H**
- An Agriphila Moth -- *(Agriphila sp.)* **H**
- Vagabond Crambus Moth -- *(Agriphila vulgivagella)* **H**
- Sod Webworm moth --*(Pediasia trisecta)* **H**

Orange Mint Moth

Burrowing Webworm Moths (Family Acrolophidae)

Subfamily Acrolophinae

- A Burrowing Webworm Moth -- *(Acrolophus cockerelli)* **P RMB**

Snout Moths (Family Pyralidae)

Subfamily Pyralinae

- A Snout Moth -- *(Acallis (Aglossa) gripalis)* **H**

Subfamily Phycitinae

- Destructive Prune Worm Moth -- *(Acrobasis tricolorella)* **H**
- A Pyralid Moth -- *(Bradyrrhoa gilveolella)* **R**
- A Meroptera Moth -- *(Meroptera sp.)* **H**
- A Snout Moth -- *(Honora sp.)* **H**
- A Myelopsis Moth -- *(Myelopsis sp.)* **H**
- A Pyralid Moth -- *(Phycitodes mucidella)* **H**
- Zimmerman Pine Moth -- *(Dioryctria zimmermani)* **H**

Plume Moths (Family Pterophoridae)

Subfamily Platyptiliinae

- A Plume Moth -- *(Platyptilia sp.)* **H**

Subfamily Pterophorinae

- A Plume Moth -- *(Oidaematophorus grisescens)* H

Leafroller Moths (Family Tortricidae)

Subfamily Olethreutinae

- A Leafroller Moth -- *(Dichrorampha radicicolana)* **P RMB**
- Yellow-headed Aspen Leafroller -- *(Epinotia nisella)* **P RMB**
- A Leafroller Moth -- *(Eucosma bolanderana)* **H**
- A Leafroller Moth -- *(Eucosma maculatana)* **H**
- Ponderosa Leafroller -- *(Eucosma ponderosa)* **H**
- Snakeweed Borer Moth -- *(Eucosma ridingsana)* **H**
- A Leafroller Moth -- *(Eucosma salmicolorana)* **L RMB**
- A Leafroller Moth -- *(Eucosma setonana)* **ISC**
- A Leafroller Moth -- *(Pelochrista crambitana)* **P RMB**
- Eyespotted Bud Moth -- *(Spilonota ocellana)* **H**

Destructive Prune Worm Moth

Zimmerman Pine Moth

Snakeweed Borer Moth

Ponderosa Leafroller

Subfamily Tortricinae

- Ugly-nest Caterpillar Moth -- *(Archips cerasivorana)* **H**
- Western Spruce Budworm -- *(Choristoneura freemani)* **Mpg**
- Spruce Budworm -- *(Choristoneura fumiferana)* **S**
- A Choristoneura Moth -- *(Choristoneura sp.)* **H**
- Light Brown Apple Moth -- *(Clepsis virescana)* **P RMB**
- A Cnephasia Moth -- *(Cnephasia sp.)* **H**
- A Leafroller Moth -- *(Sparganothis tunicana)* **H**
- One-lined Spargonathis Moth -- *(Sparganothis unifasciana)* **P RMB**
- Mosaic Sparganothis Moth -- *(Sparganothis xanthoides)* **H**

One-lined Spargonathis Moth

Carpenterworm Moths (Family Cossidae)

Carpenter Moths (Subfamily Cossinae)

- Carpenterworm Moth -- *(Prionoxystus robiniae)* **H**

Carpenterworm Moth

Momphid Moths (Fami'y Momphidae)

- A Mompha Moth -- *(Mompha sp.)* **H**

Prominent Moths (Family Notodontidae)

Subfamily Notodontinae

- Zigzag Furcula Moth -- *(Furcula scolopendrina)* **P PNWM**
- Common Gluphisia Moth -- *(Gluphisia septentrionis)* **L PNWM**
- Black-rimmed Prominent Moth -- *(Pheosia rimosa)* **P RMB**

Zig Zag Furcula Moth

Subfamily Pygaerinae

- Apical Prominent Moth -- *(Clostera apicalis)* **H**

Apical Prominent moth

Twirler Moths (Family Gelechiidae)

Subfamily Gelechiinae

- Pale-headed Aspen Leafroller *(Anacampsis niveopulvella)* **P RMB**
- A Twirler Moth -- *(Aristotelia sp.)* **H**
- Sagebrush Defoliator -- *(Aroga websteri)* **H**
- A Chionodes Moth -- *(Chionodes retiniella)* **H**
- A Filatima Moth -- *(Filatima sp.)* **H**
- A Gnorimoschema Moth -- *(Gnorimoschema sp.)* **H**
- A Chrysoesthia moth -- *(Chrysoesthia sp.)* **H**

Chionodes retiniella

Grass Miner Moths (Family Elachistidae)

Subfamily Depressariinae

- Canadian Agonopterix Moth -- *(Agonopterix canadensis)* **H**

Subfamily Ethmiinae

- A Glass Miner Moth -- *(Ethmia albistrigella)* **H**
- Mountain-Mahogany Moth -- *(Ethmia discostrigella)* **H**
- Gray Ethmia Moth -- *(Ethmia monticola)* **H S**

Mountain-Mahogany Moth

Casebearers (Family Coleophoridae)

Coleophorine case-bearers (Subfamily Coleophorinae)

- A Casebearer moth -- *(Coleophora sp.)* **H**

Diamondback Moth

Diamondback Moths (Family Plutellidae)

- Diamondback Moth -- *(Plutella xylostella)* **H**

Metalmark Moths (Family Choreutidae)

- A Metalmark Moth -- *(Anthophila sp.)* **H**
- A Metalmark Moth -- *(Choreutis sp.)* **P H**
- A Metalmark Moth -- *(Tebenna gemmalis)* **S**

Tebenna gemmalis

Clearwing Moths (Family Sesiidae)

Subfamily Sesiinae

- American Hornet Moth -- *(Sesia tibiale)* **P RMB**
- Strawberry Crown Moth -- *(Synanthedon bibionipennis)* **H**
- Buckwheat Borer Moth -- *(Synanthedon polygoni)* **H**

Strawberry Crown Moth

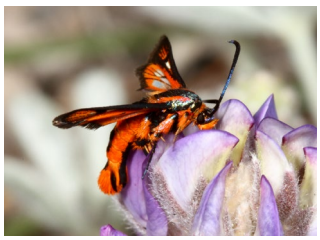
Ermine Moths (Family Yponomeutidae)

Subfamily Argyresthiinae

- An Ermine Moth -- *(Argyresthia sp.)* **H**

Many-plumed Moths (Family Alucitidae)

- A Many-plumed Moth -- *(Alucita sp.)* **H**



Buckwheat Borer Moth

Ribbed Cocoon Makers (Family Bucculatricidae)

- A ribbed cocoon maker -- *(Bucculatrix tridenticola)* **H**

Leaf Blotch Miner Moths (Family Gracillariidae)

- A leaf blotch miner moth -- *(Protolithocolletis lathyri)* **M BMNA**

Protolithocolletis lathyri

Occurrence Definitions

L - Likely to occur on CRMO. The species is documented in at least one of the 5 CRMO counties, or elsewhere on the Snake River Plain and it utilizes dry sagebrush steppe or riparian habitat. List is not all inclusive of species which may occur.

P - Possibly occurs on CRMO. The Species is documented in one of the five CRMO counties or on Snake River Plain but habitat on CRMO is limited, habitat requirements are not fully understood, may be a rare migrant or because of some uncertainty about a CRMO record.

U – **Unconfirmed record**. A record for the species exists however there is reason to doubt the record or taxonomical changes have occurred that make it likely the species identification is out of date.

Citations

A - Miriam Austin, 2006 North American Butterfly Counts, Laidlaw Park. *In* Wander S (ed). NABA Butterfly Counts 2006 Report. North American Butterfly Association, Inc. (NABA). 4 Delaware Road, Morristown, NJ 07960. [IRMA Datastore Reference 2202565]

AJC - The Albert J. Cook Arthropod Research Collection at Michigan State university. Available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

B - Eric Bland (SCA - butterfly enthusiast) 2001; personal observations. *In* Bland E. 2001. Butterfly Survey/Assessment. Craters of the Moon National Monument. [IRMA Datastore Reference 2188245]

BG -- GugGuide.net. Observation records. available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

BMNA - Butterflies and Moths of North America, accessed 2014-2020 available at (**http://www.butterfliesandmoths.org/**)

C - B.F. Coon 1930 (*in* Pacific Northwest Moths http://pnwmoths.biol.wwu.edu/)

CL - Cleveland Museum of Natural History Invertebrate Zoology Collection (CLEV-CMNHENT) available through SCAN Website: https://scan-bugs.org/portal/collections/index.php)

CPG - C.P. Gillette Museum of Arthropod Diversity at Colorado State Universiity. Available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

DL - Discover Life accessed 2014 (http://www.discoverlife.org/)

F - Kent Fothergill - Biologist (North American Butterfly Association) 2006 Butterfly Count. *In* Wander S (ed). NABA Butterfly Counts 2006 Report. North American Butterfly Association, Inc. (NABA). 4 Delaware Road, Morristown, NJ 07960. [IRMA Datastore Reference 2202565]

Ga - University of Georgia Collection of Arthropods. available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

GBIF -- Global Biodiversity Facility https://www.gbif.org/

H - Donald S. Horning and/or C. J. Horning [collections/ observations 1955, 1964-1967, 1969 *in* PNWM] and/or 1970, Horning, D. S. and W. F. Barr "Insects of Craters of the Moon National Monument". [IRMA Datastore Reference 65425]

Ha - Museum of Comparative Zoology, Harvard University. available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

ISC -- Idaho Species Catalog. Available at: https://idfg.idaho.gov/species/

J - J.B. Johnson 1983, 1987 (*in* Pacific Northwest Moths http://pnwmoths.biol.wwu.edu/)

JM - Johnson / Merickel 1983 (*in* Pacific Northwest Moths http://pnwmoths.biol.wwu.edu/)

K - Sara E. Kaiser thesis "Relationships of the Invasive Plant, *Sisymbrium altissimum* L., with The Plants and Butterflies of CRMO National Monument and Preserve" 2009. IRMA Datastore reference 2165014. [photographs 2008 IRMA Datastore reference 2195308}

LS - The Lepidopterists' Society Season Summary. available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

M - Mike Munts, CRMO Biological Science Technician, personal observations or Identifications from his photographs 2006-2010.

Me - E. P. Menning 1964 (*in* Pacific Northwest Moths http://pnwmoths.biol.wwu.edu/)

Mf - M. M. Furniss 1984 (*in* Pacific Northwest Moths http://pnwmoths.biol.wwu.edu/)

Mi - Milwaukee Public Museum, Invertebrate Zoology-Insect Collection. available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

Mpg -- Moth Photographers Group at the Mississippi Entomological Museum at Mississippi State University. http://mothphotographersgroup.msstate.edu/

Ms - M. R. Stafford 1984 (*in* Pacific Northwest Moths http://pnwmoths.biol.wwu.edu/)

Na - Ben Nash. Photographs taken 2012, later identified by various sources

N - NatureServe Explorer, An Online Encyclopedia of Life, accessed 2014-2020 (http://explorer.natureserve.org/)

Or - Oregon State Arthropod Collection. available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

PNWM - Pacific Northwest Moths accessed 2014-2020 (**http://pnwmoths.biol.wwu.edu/**)

R - Runyon J. 2009. Establishment of the Root-feeding Moth, Bradyrrhoa gilveolella, a Biocontrol Agent of Rush Skeletonweed. United States Forest Service, Rocky Mountain Research Station. [IRMA DATAstore Reference 2239238]

RMB - R. M. Bohart Museum of Entomology. University of California. available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

S - Todd Stefanic, CRMO Wildlife Biologist 2011- present

St - F.W. Stehr 1961 (*in* Pacific Northwest Moths http://pnwmoths.biol.wwu.edu/)

T – Carley Tsiames Biological Science Technician 2020. Photographed on sage brush, identification suggested by Merrill A. Peterson, Professor and Insect Collection Curator, Biology Department, Western Washington University (WWUC). Verified by J. Martineau at Butterflies and Moths of North America.

Ut - Entomology Collection at the Natural History Museum of Utah. available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

W - W.F. Barr 1976 (*in* Pacific Northwest Moths http://pnwmoths.biol.wwu.edu/)

WFB - William F. Barr Entomological Museum (UI-WFBM) University of Idaho, Moscow (records available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

Ya - Yale Peabody Museum, Entomology Division (YPM-ENT). available through SCAN Website: https://scan-bugs.org/portal/collections/index.php

Y - Youtie, B.A. 1986. The Insect Fauna Associated with Great Basin Wildrye in Southern Idaho. M.S. Thesis, University of Idaho [IRMA Datastore Reference 65329]

***** - In CRMO Museum collection