

- Arina Skipper, *Pellicia costumacula arina* - O
- Dimidiata Skipper, *Pellicia dimidiata* - R
- Clytius Skipper, *Bolva clytius* - R
- Bolva brennus* - R
- Red Sooty Wing, *Staphylus ceos* - U
- Tropical Sooty Wing, *Staphylus mazans* - A
- Variegated Skipper, *Gorgythion begga* - X
- Sostrata bifasciata nordica* - X
- Hoary Skipper, *Carrhenes canescens* - R
- Glassy-Wing Skipper, *Xenophanes trixus* - R
- Sickie-Wing Skipper, *Achlyodes mithridates tamnund* - A
- Hermit, *Grais stigmaticus* - R
- Brown-Banded Skipper - *Timochares ruptifasciatus* - C
- White-Patch Skipper, *Chiomara asychis* - C
- Brown Dusky Wing, *Erynnis horatius* - H
- False Dusky Wing, *Gesta gesta* - C
- Streamlined Dusky Wing, *Erynnis zarucco funeralis* - C
- Checkered Skipper, *Pyrgus communis abescens* - A
- Tropical Checkered Skipper, *Pyrgus oileus* - A
- Desert Checkered Skipper, *Pyrgus philetas* - U
- Banded White Skipper, *Heliopetes domicella* - O
- Brown-Margined White Skipper, *Heliopetes macaira* - A
- Tropical White Skipper, *Heliopetes laviana* - A
- Black-Veined White Skipper, *Heliopetes arsate* - X
- Streaky Skipper, *Celotes nessus* - C
- Common Sooty Wing, *Pholisora catullus* - C

# Butterflies

of

## SANTA ANA NATIONAL WILDLIFE REFUGE

### FIELD NOTES

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
SPECIES: \_\_\_\_\_

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
SPECIES: \_\_\_\_\_

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
SPECIES: \_\_\_\_\_



FOR MORE INFORMATION CONTACT:

REFUGE MANAGER  
SANTA ANA NATIONAL WILDLIFE REFUGE  
RT. 2, BOX 202-A, ALAMO, TEXAS 78516  
(210) 787-3079



U.S. Fish and Wildlife Service  
Department of the Interior

The unique sub-tropical forest setting of the Santa Ana National Wildlife Refuge creates an ideal habitat for a diverse butterfly population. Butterflies may be seen on the refuge at anytime of the year but are most commonly seen in the summer and fall. Some species are temporary visitors that winter in a more tropical climate. Listed below are 265 species grouped according to their subfamilies.

- A - Abundant (occurring year round in large to very large numbers)
- C - Common (occurring most of the year in moderate to occasionally large numbers)
- U - Uncommon (seasonal, occurring in small to moderate to occasionally large numbers)
- O - Occasional (probably not present every year, but occasionally present in moderate numbers)
- R - Rare (not usually present; when found, is only in small numbers)
- ∞ - Accidental (recorded only once or twice, probably as a stray)
- ∅ - Hypothetical (not recorded from Santa Ana NWR, but has been found in similar habitats nearby, either recorded as accidental from the tropics or from north of the area)

#### SWALLOWTAIL BUTTERFLIES - PAPILIONINAE

- Cattle Heart, *Parides eurimedes mylotes* - X
- Pipevine Swallowtail, *Battus philenor* - A
- Gold Rim, *Battus polydamus* - C
- American Swallowtail, *Papilio polyxenes asterias* - C
- Victorinus Swallowtail, *Papilio victorinus* - X
- King Swallowtail, *Papilio thoas autocles* - O
- Giant Swallowtail, *Papilio cresphontes* - A
- Astyalas Swallowtail, *Papilio astyalas* - C
- Ornythion Swallowtail, *Papilio ornythion* - C
- Three-Tailed Swallowtail, *Papilio pikumnus* - R
- Red-Spotted Swallowtail, *Papilio anchisiades* - U
- Laurel Swallowtail, *Papilio palamedes* - U
- Dark Kite Swallowtail, *Eurytides philoklaus* - X

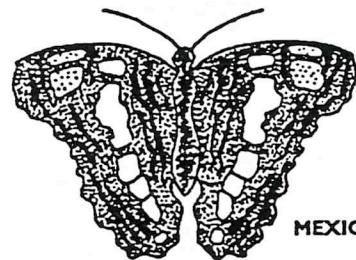
#### MIMIC SULFUR - DISMORPHIINAE

- Dimorphic Sulfur, *Enantia albania* - X

#### SULFURS - COLIADINAE

- Common Sulfur, *Colias philodice philodice* - O
- Orange Sulfur, *Colias eurytheme* - C
- Dog Face, *Colias cesonia* - C
- Ghost Brimstone, *Anteos clorinde* - O
- Yellow Brimstone, *Anteos maerula* - U
- Cloudless Sulfur, *Phoebis sennae* - A
- Orange-Barred Sulfur, *Phoebis philea* - U
- Apricot Sulfur, *Phoebis argante* - U
- Large Orange Sulfur, *Phoebis agarithe* - C
- Tailed Sulfur, *Phoebis intermedia* - X
- Migrant Sulfur, *Phoebis statira jada* - U
- Guayacan Sulfur, *Kricogonia lyside* - A
- Tailed Orange, *Eurema proterpia* - U
- Little Sulfur, *Eurema lisa* - A
- Blacktip Sulfur, *Eurema nise* - C

- Bush Sulfur, *Eurema dina westwoodi* - R
- Rambling Orange, *Eurema nicippe* - A
- Barred Sulfur, *Eurema daira palmira* - R
- Wolf Face Sulfur, *Eurema mexicana* - C
- Monkey Face Sulfur, *Eurema salome* - X
- Poodle Face Sulfur, *Eurema boisduvaliana* - C
- Dainty Sulfur, *Nathalis iole* - A



MEXICAN SISTER

#### WHITES - PIERINAE

- Tropical White, *Appias drusilla* - R
- Checkered White, *Pieris protodice* - A
- Cabbage Butterfly, *Pieris rapae* - U
- Southern White, *Ascia monuste monuste* - C
- Giant White, *Ascia josephina* - O
- Falcate Orange Tip, *Anthocharis midea* - O

#### MILKWEED BUTTERFLIES - DANAINAE

- Monarch, *Danaus plexippus* - C
- Queen, *Danaus gilippus strigosus* - O
- Soldier, *Danaus eresimus* - U
- Large Tiger, *Lycorea cleobaea* - H

#### SATYRS - SATYRINAE

- Jeweled Satyr, *Cylopsis gemma* - C
- Southern Satyr, *Hermeuptychia hermes* - A

#### GOATWEED BUTTERFLIES - CHARAXINAE

- Leaf Wing, *Anaea troglodyta aidea* - C
- Goatweed Butterfly, *Anaea andria* - U
- Angled Leaf Wing, *Anaea glycerium* - X
- Blue Leaf Wing, *Anaea pithyusa* - R
- Echemus Leaf Wing, *Memphis echemus* - H

#### EMPEROR BUTTERFLIES - APATURINAE

- Hackberry Butterfly, *Asterocampa celtis antonia* - C
- Desert Hackberry Butterfly, *Asterocampa leilia* - C
- Tawny Emperor, *Asterocampa cyton* - C
- Purple Emperor, *Doxocopa pavon* - O
- Silver Emperor, *Doxocopa laure* - O

#### SPINY BRUSH-FOOTED BUTTERFLIES - NYMPHALINAE

- Gulf Fritillary, *Dione vanillae* - A
- Mexican Silver-Spotted Fritillary, *Dione moneta* - R
- Banded Orange, *Dryadula phaetusa* - X
- Orange Long Wing, *Dryas julia moderata* - U

- Isabella Tiger, *Heliconius isabella eva* - R
- Zebra Longwing, *Heliconius charitonia* - U
- Red Passion-Flower Butterfly, *Heliconius erato petiverana* - X
- Question Mark, *Polygona interrogationis* - C
- Mourning Cloak, *Nymphalis antiopa* - X
- American Painted Lady, *Vanessa virginiensis* - C
- Painted Lady, *Vanessa cardui cardui* - C
- Red Admiral, *Vanessa atalanta* - A
- Orange Map Wing, *Hypanartia lethe* - H
- Buckeye, *Precis coenia* - C
- Smoky Buckeye, *Precis evarate nigrosuffusa* - O
- White Peacock, *Anartia jatrophae luteipicta* - C
- Brown Peacock, *Anartia fatima* - O
- Malachite, *Siproeta stelenes* - U
- Variegated Fritillary, *Euptoieta claudia* - A
- Mexican Fritillary, *Euptoieta hegesia* - U
- Texas Crescent, *Phyciodes texana texana* - C
- False Black Crescent, *Phyciodes ptolyca* - X
- Black Crescent, *Phyciodes frisia tukis* - O
- Mac Plant Crescent, *Phyciodes phaon* - A
- Pearl Crescent, *Phyciodes tharos* - C
- Mesquite Crescent, *Phyciodes vesta* - C
- Tiny Checkerspot, *Dimasia dymas dymas* - R
- Sunflower Patch, *Chlosyne lacinia adjutrix* - C
- Coahuila Checkerspot, *Chlosyne definita schausi* - R
- Endeis Patch, *Chlosyne endeis pardalina* - R
- Marina Patch, *Chlosyne marina melitaeoides* - A
- Giant Patch, *Chlosyne janais* - O
- Rosy Patch, *Chlosyne rosita browni* - R
- Mexican Checkerspot, *Chlosyne theona bollii* - U
- Little Elf, *Microtia elva* - X
- Small Checkerspot, *Texala elada* - A
- Viceroy, *Limenitis archippus archippus* - O
- Mexican Sister, *Limenitis fessonia* - O
- Blue Wave, *Myscelia ethusa* - U
- Dark Blue Wave, *Myscelia cyananthe* - X
- Dimorphic Bark Wing, *Epiphile adrasta* - X
- Dingy Purple Wing, *Eunica monima* - R



MALACHITE

- Large Purple Wing, *Eunica tatila* - X
- Blue-Eyed Green Wing, *Dynamine dyonis* - O
- Mexican 88 Butterfly, *Diathria asteria* - R
- Noseburn Wanderer, *Mestra amydone* - C
- Red Rim, *Biblis hyperia* - C
- Central American Cracker, *Hamadryas guatemalena* - R
- Ringless Blue Cracker, *Hamadryas iphithime joannae* - H
- Blue Cracker, *Hamadryas feronia* - R
- Gray Cracker, *Hamadryas februa* - R

- Red Cracker, *Hamadryas amphinome mexicana* - X
- Yellow Cracker, *Hamadryas fornax* - X
- Nettle Bark Wing, *Smyrna karwinski* - X
- Blomfield's Beauty, *Smyrna blomfieldia* - H
- Acheronta, *Historis acheronta* - H
- Waiter, *Marpesia coesia* - X
- Banded Dagger Wing, *Marpesia chiron* - O
- Red Dagger Wing, *Marpesia petreus* - U



QUEEN

### SNOUT BUTTERFLIES - LIBYTHEIDAE (family)

- Snout Butterfly, *Libytheana carinenta larvata* - A
- Southern Snout, *Libytheana carinenta mexicana* - H
- Motya Snout, *Libytheana motya* - H

### METALMARK BUTTERFLIES - RIODININAE

- Mexican Metalmark, *Calephitis nemesis* - A
- Rounded Metalmark, *Calephitis nilus perditalis* - A
- Small Curvy Wing, *Caria ino melicerta* - C
- Blue Metalmark, *Lasaia sula* - U
- Pixy Metalmark, *Melanis paxe* - O
- Big Curvy Wing, *Emesis emesia* - X
- Pointed Metalmark, *Apodemia multiplaga* - X
- White Metalmark, *Apodemia walkeri* - R

### HAIRSTREAKS & BLUES - LYCAENINAE

- White-Rim Cycad Hairstreak, *Eumaeus minijas* - H
- Great Blue Hairstreak, *Atides halesus* - C
- Verde Azul, *Chlorostymon maesite telea* - X
- Silver-Banded Hairstreak, *Chlorostymon simaethis* - U
- Black Hairstreak, *Ocaria ocrisia* - X
- Silver-Blue Hairstreak, *Ministrymon clytie* - C
- Four-Spotted Hairstreak, *Tmolus echiom* - X
- Tiny Hairstreak, *Tmolus azia* - U
- Large Brilliant Hairstreak, *Oenomaus ortygnus* - X
- Double-Spotted Slate Hairstreak, *Thereus zebina* - X
- Slated Hairstreak, *Thereus palegon* - X
- Blue-Metal Hairstreak, *Allosmaitia pion* - X
- Dusty-Blue Hairstreak, *Calycopis isobea* - A
- Sad Green Hairstreak, *Callophrys miserabilis* - U
- Tropical Green Hairstreak, *Callophrys herodotus* - A
- Silvery Green Hairstreak, *Callophrys goodsoni* - O
- Succulent Hairstreak, *Callophrys xami* - R
- White-M Hairstreak, *Parrhasius m-album* - H
- Gray hairstreak, *Strymon melinus* - A
- Red-Crescent Hairstreak, *Strymon rufosusca* - R
- Balloon-Vine Hairstreak, *Strymon bebrycia* - R
- White-Stripe Hairstreak, *Strymon yojoa* - C

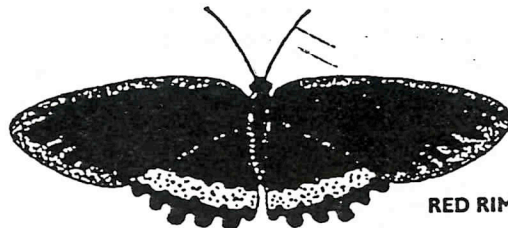
- White Hairstreak, *Strymon albata* - R
- Tarugo Hairstreak, *Strymon alea* - X
- Dotted Hairstreak, *Strymon columella* - C
- Mottled Hairstreak, *Strymon bazochii* - U
- Spotted Hairstreak, *Strymon cestri* - R
- Ruddy Hairstreak, *Electro strymon endymion* - R
- Pygmy Blue, *Brephidium exilis exilis* - A
- Tiny Blue, *Zizula cyna* - R
- Tropical Striped Blue, *Leptotes cassius* - C
- Striped Blue, *Leptotes marina* - U
- Mexican Blue, *Hemiargus isola* - A
- Southern Blue, *Hemiargus ceraunus zachaeina* - C
- Tailed Blue, *Everes comyntas* - H

#### GIANT SKIPPERS - MEGATHYMINAE

- Yucca Skipper, *Megathymus yuccae wilsonorum* - U
- Aloe Skipper, *Stallingsia smithi maculosus* - O

#### GRASS SKIPPERS - HESPERIINAE

- Tamaulipas Skipperling, *Piruna microsticta* - R
- Shady Skipper, *Synapte malitiosa* - U
- Salenus Skipper, *Synapte salenus* - X
- Redundant Swarthy Skipper, *Corticea corticea* - R
- Saturnus Skipperling, *Callimormus saturnus* - H
- Fantastic Skipper, *Vettius fantasos* - H
- Vidius perigenes* - U
- Violet-Patch Skipper, *Monca telata tyrtaeus* - C
- Western Swarthy Skipper, *Nastra julia* - C
- Fawn-Spotted Skipper, *Cymaenes odilia trebius* - U
- Clouded Skipper, *Lerema accius* - A
- Liris Skipper, *Lerema ancillaris liris* - R
- Gaudy Skipper, *Perichares philetes* - X
- Rhinton cubana oasca* - X
- Percosius Skipper, *Decinea percosius* - O
- Chydaea Skipper, *Conga chydaea* - X
- Least Skipperling, *Ancyloxypha numitor* - C
- Orange Least Skipperling, *Ancyloxypha arene* - U
- Western Tiny Skipper, *Copaeodes aurantiaca* - C
- Tiny Skipper, *Copaeodes minima* - U
- Fiery Skipper, *Hylephila phyleus phyleus* - A



RED RIM

- Whirlabout, *Polites vibex praeceps* - A
- Red Broken Dash, *Wallengrenia otho curassavica* - A
- Sachem, *Atalopedes campestris* - A
- Black-Vein Skipper, *Atrytone logan mazai* - O
- Southern Dimorphic Skipper, *Poanes zabulon zabulon* - H
- Mellana eulogius* - X
- Sedge Witch, *Euphyes vestris* - C
- Mottled Little Skipper, *Amblyscirtes nysa* - C

- Creekside Little Skipper, *Amblyscirtes celia celia* - A
- Gray Skipper, *Lerodea eufala* - A
- Blotchy Gray Skipper, *Lerodea arabus dysaules* - C
- Canna Skipper, *Calpodus ethlius* - C
- Long-Winged Skipper, *Panoquina ocola* - C
- Russet Skipper, *Panoquina hecebolus* - O
- Sugarcane Skipper, *Panoquina sylvicola* - O
- White-Barred Skipper, *Panoquina fusina evansi* - R
- Violet-Banded Skipper, *Nyctelius nyctelius* - U
- Macareus Skipper, *Thespius macareus* - X



FATIMA

#### HERB, SHRUB, & TREE SKIPPERS - PYRGINAE

- Guava Skipper, *Phocides polybius liles* - O
- Rainbow Skipper, *Phocides urania* - H
- Mercurial Skipper, *Proteides mercurius* - R
- Exadeus Skipper, *Epargyreus exadeus* - X
- Violet Skipper, *Polygonus leo* - R
- Silver-Banded Skipper, *Chioides catillus albofasciatus* - C
- Zilpa Longtail, *Chioides zilpa* - O
- Gold-Spot Aguna, *Aguna asander* - R
- Metophis Skipper, *Aguna metophis* - R
- Claxon Skipper, *Aguna claxon* - R
- Mexican Longtail, *Polythrix asine* - X
- Eight Spot Longtail, *Polythrix octomaculata* - R
- Alcaeus Longtail, *Codatractus alcaeus* - X
- Long-Tailed Skipper, *Urbanus proteus* - C
- Pronus Longtail, *Urbanus pronus* - X
- Emerald Longtail, *Urbanus esmeraldus* - X
- Brown-Tailed Skipper, *Urbanus dorantes* - U
- Teleus Longtail, *Urbanus teleus* - U
- Tanna Longtail, *Urbanus tanna* - X
- Simplicius Longtail, *Urbanus simplicius* - X
- Brown Longtail, *Urbanus procne* - C
- White-Tailed Skipper, *Urbanus doryssus* - R
- Blue Flasher, *Astraptes fulgerator* - U
- Green Flasher, *Astraptes egregius* - X
- White Flasher, *Astraptes alardus* - X
- Mad Flasher, *Astraptes alector hopfferi* - X
- Yellow Flasher, *Astraptes anaphus* - R
- Coyote Skipper, *Achalarus toxeus* - C
- Achalarus albociliatus* - R
- Jalapus Skipper, *Achalarus jalapus* - X
- Potrillo Skipper, *Cabares potrillo* - C
- Fritzgaetner's Skipper, *Celaenorrhinus fritzgaetneri* - X
- Stallings' Skipper, *Celaenorrhinus stallingsi* - U
- Falcate Skipper, *Spathilepia clonius* - C
- Mimosa Skipper, *Cogia calchas* - C
- White-Edged Skipper, *Cogia hippalus* - R
- Purplish-Black Skipper, *Nisoniades rubescens* - X