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The Yosemite Butterflies: Color Plates

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The Taxonomic Report
OF THE INTERNATIONAL LEPIDOPTERA SURVEY

***The Yosemite Butterflies:
Color Plates***



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Norbert G. Kondla
Charles Grisham
C. Howard Grisham

INTRODUCTION

This compilation of butterfly illustrations for the Yosemite region is intended primarily as a supplement to the text publication on Yosemite Butterflies (Davenport 2004 and Davenport 2007, second edition, currently in press). Taxonomic interpretations and names follow these documents. Common names and authors of the scientific names are given in the text publication. This color plates publication also functions as a stand-alone document for naturalists and lepidopterists with need for reference illustrations only.

Creation of this publication was a team effort. Butterflies were selected from Ken Davenport's private collection to illustrate most species and subspecies for the Yosemite region. If good quality specimens were available from within the region we often used those. Most of the photography was done by Charles Grisham. In other cases Jim Brock, Howard Grisham, Norbert Kondla, Richard Meyer, John Pasko, Andrew Warren, Michael Leski and Crispin Guppy provided needed specimens or photographs. Most of the illustrated specimens were photographed under indirect natural light to maintain color fidelity. Most were also photographed using the 'glass plate' method to produce shadow-free images. Digital cameras were used for all illustrations. Norbert Kondla edited the raw images and assembled them into life size plate format. Paint Shop Pro was used for image editing and Microsoft Word was used for plate assembly.

Many taxa (especially rare strays) were illustrated from butterflies taken outside the region. Since one goal of this publication was to help others to identify and recognize the visual characters (eg. color, patterns, field marks) of the different species and subspecies in the region, good quality specimens from outside the region were sometimes chosen.

There are a few cases where positive identification of illustrated individuals (*Euphilotes battoides* group and *Euphilotes ancilla*) can only be done by examining the genitalia. The two look very much alike and it was only recently recognized that two species were involved. In a few cases, there were no specimens available in private collections of those involved in this project to illustrate a taxon. For example, no one has collected *Philotiella speciosa bohartorum* since 1970. We also lacked male *Speyeria coronis* and female *Plebejus shasta calchas* from within the region. In addition, we did not have any of the distinctive yellow *Papilio bairdii* from eastern Mono County to photograph. In such cases, we used another subspecies to illustrate the species or only illustrated one sex of a taxon. There were yet other non-Yosemite specimens chosen to illustrate subspecies influences or variation present within the Yosemite region. Including these taxa from outside the region should help the reader recognize variation within the region and that butterflies do not always fit into neat taxonomic categories.

All 1016 illustrations are as close to life size as allowed by the technology used to create the plates and are in most cases accurate to within one millimeter. Specimen localities given are mostly from within California. States are listed only if the specimen was collected outside California. All specimens illustrated were collected by Ken Davenport unless otherwise noted.

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NAMES USED IN THIS PUBLICATION

Names follow those used in the revised *Yosemite Butterflies Text*. The names below have changed since the first edition because of subsequent work or revisions. Explanations for those changes are given in the revised *Yosemite Butterflies Text* or in the Supplement for the first edition of the *Yosemite Butterflies Text*.

1. *Hesperopsis libya lena* is now *Hesperopsis libya* (Great Basin).
2. *Papilio indra indra* is now *Papilio indra* (Central Sierra Nevada).
3. *Atlides halesus estesi*: The subspecies name *corcorani* is now used.
4. *Satyrium fuliginosa* in the Yosemite region is now *Satyrium semiluna*.
5. The genus name *Loranthomitoura* has been replaced by the name *Cisincisalia* for *spinetorum* and *johnsoni*.
6. *Euphilotes battoides glaucon* and *australoglaucon* are now *Euphilotes glaucon* subspecies.
7. *Glaucopsyche piasus excubitus*=*excubita*.
8. *Plebejus (Icaricia) lupini* (Eastern Sierra population) is now *P. lupini goodpasturei*.
9. *Speyeria zerene* near *zerene* is now *Speyeria zerene monticola*.
10. *Adelpha (bredowii) californica* is now *Adelpha californica*.

Family divisions follow those used in the *Yosemite Butterflies Text*. Taxonomists sometimes place the family Riodinidae under Lycaenidae. The families Libytheidae, Satyridae and Danaidae are often placed within the family Nymphalidae as tribes (or subfamilies) by many taxonomists.

Hesperiidae

Epargyreus clarus californicus male.
Fish Camp 5000', Mariposa Co., May 23, 1992.



Epargyreus clarus californicus female.
Fish Camp 5000', Mariposa Co., May 23, 1992.



Polygonus leo arizonensis male.
Cantil, Mojave Desert, Kern Co., August 25, 1983.
Rare stray to the region.



Polygonus leo arizonensis female.
Cantil, Mojave Desert, Kern Co., August 25, 1983.



Thorybes pylades indistinctus male.
Fish Camp 5000',
Mariposa Co., May 23, 1992.



Thorybes pylades indistinctus female.
Fish Camp 5000',
Mariposa Co., May 23, 1992.



Thorybes diversus male.
Fish Camp 5000',
Mariposa Co., May 23, 1992.



Thorybes diversus female.
Fish Camp 5000',
Mariposa Co., June 2, 1993.



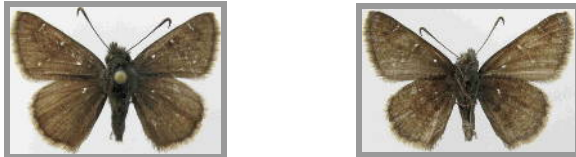
Thorybes mexicanus nevada male.
E. of Saddlebag Lake 11,500',
Mono Co., July 23, 1993.



Thorybes mexicanus nevada female.
E. of Tioga Pass 11,000',
Mono Co., August 6, 1978.



Thorybes mexicanus blanca ? male.
Subspecies may occur in Yosemite region,
specimens pictured may be *blanca* from within the region.
Bald Mountain Lookout 9104',
Mono Co., June 27, 1999.



Thorybes mexicanus blanca ? female.
Bald Mountain Lookout 9104',
Mono Co., June 27, 1999.
leg. Kevin Davenport.



Actual *Thorybes mexicanus blanca* male.
Ridge N. of Piute Mtn. 11,000', White Mts.,
Mono Co. July 7, 2004.



Actual *Thorybes mexicanus blanca* female.
Ridge N. of Piute Mtn. 11,000', White Mts.,
Mono Co. July 7, 2004.



Erynnis icelus male.
Pump House Wash, Oak Creek Canyon,
Coconino Co., AZ., June 2, 1985.



Erynnis icelus female.
Pump House Wash, Oak Creek Canyon,
Coconino Co., AZ., June 2, 1985.



Erynnis brizo lacustra male.
Upper Kern River, 0.6 mi. N. of Roads End,
Tulare Co., April 2, 1987.



Erynnis brizo lacustra female.
Frazier Mountain, Chuchupate Camp,
Ventura Co., June 30, 1977.



Erynnis propertius male.
Sugar Pine,
Madera Co., May 24, 1991.



Erynnis propertius female.
Briceburg along Merced River,
Mariposa Co., April 20, 1984.



Erynnis tristis tristis male.
State Hwy. 168, 14 mi. NW of Shaver Lake,
Fresno Co., September 12, 2003.



Erynnis tristis tristis female.
Hart Park Lake near Bakersfield,
Kern Co., September 24, 1982.



Erynnis pacuvius lilius male.
Fresno Dome Saddle 7500',
Madera Co., June 13, 2002.



Erynnis pacuvius lilius female.
Greenhorn Mts., N. of Tiger Flat,
Kern Co., July 3, 2004.



Erynnis funeralis male.
San Joaquin Valley: Bakersfield,
Kern Co., May 10, 1993.



Erynnis funeralis female.
Providence Mts.,
San Bernardino Co., March 25, 1990.



Erynnis afranius male.
Incorrectly reported from the Yosemite region.
Wildhorse Meadows, San Bernardino Mts.,
San Bernardino Co., June 15, 1985.



Erynnis afranius female.
Flagstaff, Coconino Co., AZ.,
June 16, 2000.



Erynnis persius male.
Fresno River at Oakhurst,
Madera Co., March 31, 1994.



Erynnis persius female.
Fresno River at Oakhurst,
Madera Co., June 8, 1992.



Pyrgus ruralis ruralis male.
Sugar Pine, Madera Co., May 23, 1992.



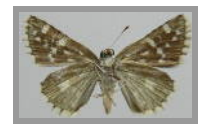
Pyrgus ruralis ruralis female.
Near Dinky Creek Camp, Fresno Co., May 27, 2002.



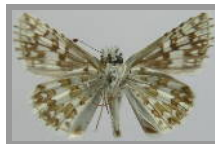
Pyrgus scriptura scriptura male.
Questionable record for Yosemite region.
San Joaquin Valley: Hwy. 58, 4 mi. W. of Buttonwillow,
Kern Co., September 2, 1980.



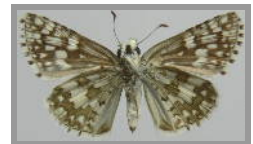
Pyrgus scriptura scriptura female.
San Joaquin Valley: Rowlee Rd., 6.3 mi. S. of Alpaugh,
Tulare Co., August 23, 1984.



Pyrgus communis male.
Fish Camp 5000',
Mariposa Co., August 4, 1990.

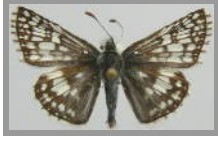


Pyrgus communis female.
Fish Camp 5000',
Mariposa Co., July 28, 1989.



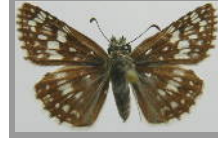
Pyrgus albescens male.

San Joaquin Valley. Junction Hwy. 43 and Cecil Ave. W. of Delano, Kern Co., November 4, 1994.
Specimen determined by Julian Donahue. Both *P. albescens* and *P. communis* overlap ranges at this locality.



Pyrgus albescens female.

San Joaquin Valley: Edison, Kern Co., September 25, 1987.



Heliopetes ericetorum male.

Upper Kern River near Gateway to Sequoia, Tulare Co., September 4, 1991.



Heliopetes ericetorum female.

NE of Oakhurst, Madera Co., June 11, 1993.



Pholisora catullus male.

Swall Meadow, Mono Co., May 30, 1999.



Pholisora catullus female.

1 mi. S. of Sageland, Kelso Valley, Kern Co., April 14, 2000.



Hesperopsis libya 'Great Basin' male.

Lubken Canyon, S. of Lone Pine, W. of Hwy. 395, Inyo Co., May 7, 1994.



Hesperopsis libya 'Great Basin' female.

Lubken Canyon, S. of Lone Pine, W. of Hwy. 395, Inyo Co., August 26, 1998.



Hesperopsis alpheus oricus male.

Lower Rock Creek Rd. overlooking Rock Creek Gorge E. of Swall Meadow, Mono Co., May 12, 1989.



Hesperopsis alpheus oricus female.

Canyon south side of Butterbredt Peak 5000', Kern Co., May 9, 1986.



Hylephila phyleus muertovalle male.

Three Rivers, Tulare Co., September 13, 1991.



Hylephila phyleus muertovalle female.

Fish Camp 5000', Mariposa Co., August 4, 1990.



Pseudocopaesodes eunus flavus male.

Owens River, E. of Bishop,
Inyo Co., August 7, 1978.

The specimens illustrated are subspecies *flavus*. Specimens inside the Yosemite region may be a different subspecies.



Pseudocopaesodes eunus flavus female.

Lubken Canyon Rd., S. of Lone Pine,
Inyo Co., August 13, 2001.



Hesperia uncas macswaini male.

White Mts. 10,200', 4 mi. NE of Wyman Creek Rd.,
Inyo Co., June 19, 1988.



Hesperia uncas macswaini female.

White Mts. 10,200', 4 mi. NE of Wyman Creek Rd.,
Inyo Co., June 19, 1988.



Hesperia uncas giuliani male.

Taylor Springs, Mono Co., June 20, 2006.



Hesperia uncas giuliani female.

Bodie Hills 8000', Mono Co., June 22, 2006.



Hesperia juba male.

Rim above Lower Rock Creek Gorge,
Mono Co., May 12, 1989.



Hesperia juba female.

Fish Camp 5000',
Mariposa Co., June 11, 1993.



Hesperia colorado harpalus male.

Fresno Dome Saddle,
Madera Co., July 11, 1999.



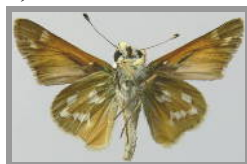
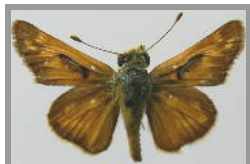
Hesperia colorado harpalus female.

Niagara Creek, S. of Hwy. 108,
Tuolumne Co., July 13, 1994.



Hesperia colorado idaho male.

Sierra Nevada: Chimney Peak Rd.,
Tulare Co., June 25, 1982.



Hesperia colorado idaho female.

White Mts. at Westgard Pass 7500',
Inyo Co., July 15, 1999.



Hesperia colorado male.
 (Sierra Nevada west slope fall-flying segregate).
 Rd. 235 overlooking Redinger Lake,
 Fresno Co., September 4, 2004.



Hesperia colorado female.
 (Sierra Nevada west slope fall-flying segregate).
 Rd. 235 overlooking Redinger Lake,
 Fresno Co., September 4, 2004.



Hesperia columbiana male.
 Upper Kern River 0.6 mi. N. of Roads End,
 Tulare Co., April 14, 2001.



Hesperia columbiana female.
 2 mi. S. of Johnsdale,
 Tulare Co., April 29, 1997.



Hesperia lindseyi lindseyi male.
 Parkfield Grade,
 Monterey Co., May 19, 2001.



Hesperia lindseyi lindseyi female.
 Parkfield Grade,
 Monterey Co., June 4, 2000.

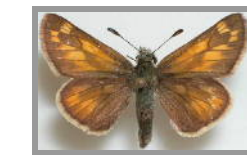


Subspecies not known in region.

Hesperia miriamae miriamae male.
 Tioga Pass, 11,000',
 Mono Co., August 30, 1989 leg. RP Meyer.



Hesperia miriamae miriamae female.
 Alta Peak 11,200', Tulare Co.,
 July 19, 1981 leg. D. Giuliani, McGuire Center Collection.



Hesperia nevada sierra male.
 South Fork of Bishop Creek, 9000',
 Inyo Co., July 6, 2006.



Hesperia nevada sierra female.
 Bald Mountain Lookout 9104',
 Mono Co., June 27, 1999.



Polites sabuleti sabuleti male.
 Bridgeport,
 Mono Co., August 17, 2000.



Polites sabuleti sabuleti female.
 Lubken Canyon Rd., S. of Lone Pine,
 Inyo Co., September 1, 2002.



Polites sabuleti tecumseh male.
Big Meadow (Kern Plateau) 8000',
Tulare Co., June 6, 1986.



Polites sabuleti tecumseh female.
Fresno Dome Trail meadows,
Madera Co., August 14, 1993.



Polites sonora sonora male.
Fish Camp 5000',
Mariposa Co., August 4, 1990.



Polites sonora sonora female.
Fish Camp 5000',
Mariposa Co., August 4, 1990.



Polites sonora longinqua male.
Bodie Hills and Road 7000',
Mono Co., June 21, 2006.



Polites sonora longinqua female.
Little Walker River Rd., SW of Sonora Junction,
Mono Co., August 17, 2000.



Atalopedes campestris campestris male.
San Joaquin Valley: Lemon Cove, Kaweah River,
Tulare Co., April 13, 1990.



Atalopedes campestris campestris female.
Tehachapi Mts., Caliente,
Kern Co., September 22, 1988.



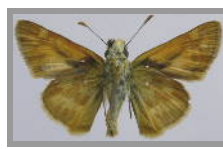
Ochlodes sylvanoides sylvanoides male.
Greenhorn Mountain Park,
Kern Co., July 15, 1992.



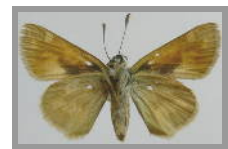
Ochlodes sylvanoides sylvanoides female.
Upper Kern River at Gateway to Sequoia,
Tulare Co., September 15, 1987.



Ochlodes sylvanoides omnigena male.
Little Walker River Rd., SW of Sonora Junction,
Mono Co., August 17, 2000.



Ochlodes sylvanoides omnigena female.
Little Walker River Rd., SW of Sonora Junction,
Mono Co., August 17, 2000.



Ochlodes agricola nemorum male.
 Mineral King Rd. (near Sequoia Nat'l Park),
 Tulare Co., June 15, 1993.



Ochlodes agricola nemorum female.
 Kernville,
 Kern Co., May 19, 1980.



Ochlodes yuma yuma male.
 Lone Pine Creek W. of Lone Pine,
 Inyo Co., September 8, 1984.
 May possibly occur in the region.



Ochlodes yuma yuma female.
 Lubken Canyon just W. of Hwy. 395, S. of Lone Pine,
 Inyo Co., September 1, 2002.



Ochlodes yuma sacramentorum male.
 Tule River at Hwy 99, 2 mi. N. of Tipton,
 Tulare Co., August 22, 1987.
 May possibly occur in the region.



Ochlodes yuma sacramentorum female.
 Tule River, Porterville,
 Tulare Co, September 5, 1987.



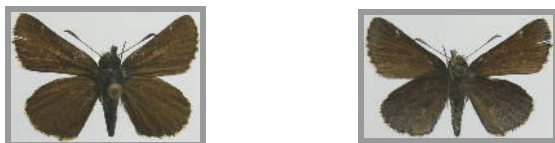
Poanes melane melane male.
 Bear Creek near Merced River at Briceburg,
 Mariposa Co., April 20, 1984.



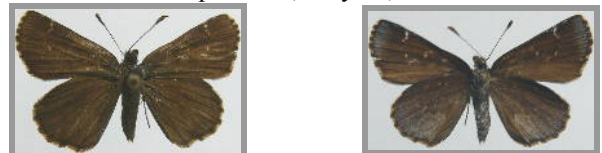
Poanes melane melane female.
 Kern River N. of Roads End,
 Tulare Co., October 2, 2006.



Amblyscirtes vialis male.
 E. of Redwood Camp on Fresno Dome Rd.,
 Madera Co., June 13, 2002.



Amblyscirtes vialis female.
 Fish Camp along Bear Creek,
 Mariposa Co., May 23, 1992.



Lerodea eufala male.
San Joaquin River at Lost Lake Park,
Fresno Co., September 12, 2003.



Lerodea eufala female.
San Joaquin Valley: Greenfield,
Kern Co., September 30, 2001.



Papilionidae

Parnassius clodius baldur male.
Fresno Dome Trail 7200', Madera Co., July 5, 1999.



Parnassius clodius baldur female.
Ridge SE of Mt. Conness 10,000', Mono Co., August 11, 1991.



Parnassius clodius sol male.
Fish Camp 5000', Mariposa Co., June 16, 1990.



Parnassius clodius sol female.
Fish Camp 5000', Mariposa Co., July 3, 1991.



Parnassius behrii male.
Ridge SE of Mt. Conness 10,000', Mono Co., July 13, 1976.



Parnassius behrii female.
Ridge SE of Mt. Conness 10,000', Mono Co., July 20, 1976.



Battus philenor philenor male.

Santa Rita Mts.: Madera Canyon, Pima/Santa Cruz Cos. AZ., September 5, 1977.



Battus philenor philenor female.

Wickenburg, Maricopa Co., AZ, September 18, 1990.



Battus philenor hirsuta male.
San Joaquin River Gorge, Squaw Leap Trail, Fresno Co., April 7, 2006.



Battus philenor hirsuta female.
North Fork of American River near Auburn, Placer Co., April 22, 1996.



Papilio (polyxenes) coloro male.
Providence Mts., San Bernardino Co., March 29, 1980.



Papilio (polyxenes) coloro female.
South side of Koehn Dry Lake at Cantil (Mojave Desert), Kern Co., May 16, 1992.



Papilio bairdi bairdii female form "brucei" upperside.
Hilltop with junipers, Eager, Apache Co., AZ. August 4, 1994. A population in the White Mountains SE of Yosemite region is predominately yellow, not black. Often reported from region in past literature, often misidentifications of *P. zelicaon* but the species could yet be found in region.



Papilio bairdii bairdii form "brucei" female underside.



Papilio zelicaon zelicaon male.
San Joaquin Valley: Bakersfield, Kern Co., June 23, 1988.



Papilio zelicaon zelicaon female.
Tehachapi Mountain summit 7700', Kern Co., July 8, 2000.



Papilio indra (central Sierra Nevada) male.
Fish Camp, Mariposa Co., May 23, 1992.



Papilio indra (central Sierra Nevada) female.
Saddlebag Lake, Mono Co., emerged June 3, 1990 from egg collected July 17, 1989 leg. JG Pasko.



Papilio indra phyllisae male.
Butterbrecht Peak, Kern Co., May 21, 1988.

Populations in region sometimes have individuals with wider yellow bands which resemble *phyllisae*. This subspecies does not occur in the region.



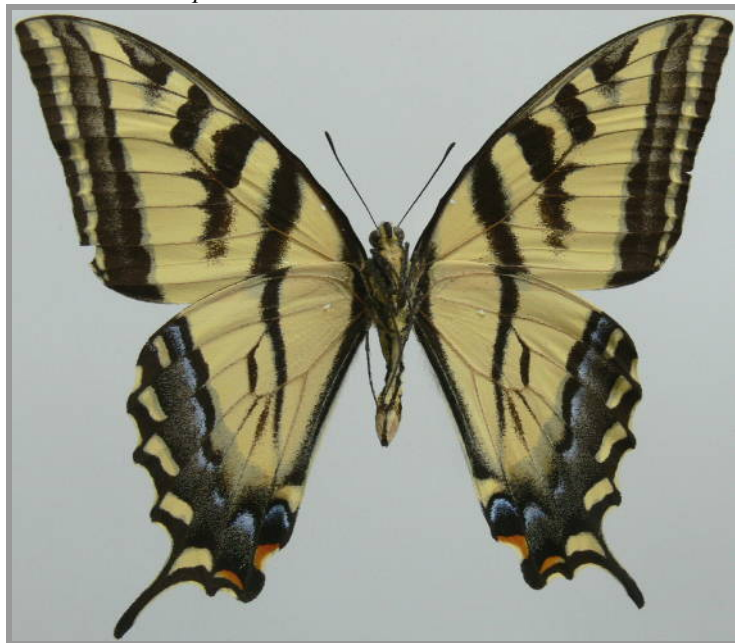
Papilio indra phyllisae female.
Hill W. of Butterbredt Peak 5500', Kern Co., April 29, 1996.



Papilio rutulus rutulus male upperside.
Upper Kern River at Gateway to Sequoia, Tulare Co., Sept 4, 1991.



Papilio rutulus rutulus male underside.



Papilio rutulus rutulus female upperside.
Kern River Valley: Weldon, Kern Co., July 12, 1985.



Papilio rutulus rutulus female underside.



Papilio multicaudatus pusillus male upperside.
Briceburg along Merced River, Mariposa Co., March 28, 1981.
Adults in California populations are smaller than those in Arizona.



Papilio multicaudatus pusillus male underside.



Papilio multicaudatus pusillus female upperside.
1 mi. S. of Jack Flat, Tulare Co., April 28, 1989.



Papilio multicaudatus pusillus female underside.



Papilio eurymedon male.
Greenhorn Mts.: Alder Creek Camp, Kern Co., May 22, 1996.



Papilio eurymedon male melanic form 'albanus.'
4 mi. W. of Sherman Pass, 7600', Tulare Co., June 20, 1999.



Papilio eurymedon female.
Greenhorn Mts., Shirley Meadows,
Kern Co., June 20, 1987, leg RP Meyer.



Pieridae

Neophasia menapia menapia male.
Fresno Dome area, Soquel Grove 5000', Madera Co., August 21, 1999.



Neophasia menapia menapia female.
Fish Camp 5000', Mariposa Co., August 4, 1990.



Pontia beckerii male.
Mojave Desert: Cinco/Cantil,
Kern Co., January 30, 1995.



Pontia beckerii female.
Mountain Springs Summit,
Clark Co., NV, October 8, 1993.



Pontia sisymbrii sisymbrii male.
Fresno Dome Saddle,
Madera County., June 13, 2002.



Pontia sisymbrii sisymbrii female.
Fresno Dome Saddle,
Madera County., June 13, 2002.



Pontia protodice male.
San Joaquin Valley: Edison, Kern Co., May 10, 1988.



Pontia protodice female.
SW of Lamont Peak, Chimney Peak Rd., Kern Co., September 30, 1989.



Pontia occidentalis occidentalis male.
Bridgeport, Mono Co., July 22, 1981.



Pontia occidentalis occidentalis female.
Bridgeport, Mono Co., July 22, 1981.



Pieris marginalis microstriata male.
Sugar Pine, Madera Co., April 27, 1992.



Pieris marginalis microstriata female.
Sugar Pine, Madera Co., April 27, 1992.



Pieris rapae male.
Tule River at Porterville, Tulare Co., May 26, 1988.



Pieris rapae female.
Stony Creek, Sequoia NF, Tulare Co., September 4, 1991.



Euchloe ausonides ausonides male.
Briceburg along Merced River, Mariposa Co., March 28, 1981.



Euchloe ausonides ausonides female.
American River at Auburn, Placer Co., May 21, 1994.



Euchloe ausonides transmontana male.
Bald Mountain 8700', Mono Co., June 27, 1999.



Euchloe ausonides transmontana female.
Big Meadow (Kern Plateau) 8000', Tulare Co., July 12, 1978.



Euchloe hyantis male.
Fresno Dome Saddle 7200',
Madera Co., June 13, 2002.

Euchloe hyantis female.
Fresno Dome Saddle 7200',
Madera Co., June 13, 2002.



Euchloe lotta male.
Big Pine Canyon 6000',
Inyo Co., April 30, 2000.

Euchloe lotta female.
Mojave Desert: Cinco/Cantil,
Kern Co., March 7, 2003.



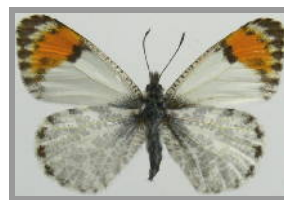
Anthocharis cethura hadromarmorata male.
Soledad Mt. near Mojave,
Kern Co., March 13, 1995.
May occur in region.

Anthocharis cethura hadromarmorata female.
Nine Mile Canyon,
Inyo Co., April 19, 2003.



Anthocharis sara sara male.
Upper Kern River at entrance to Sequoia NF,
Tulare Co., February 1, 2003.

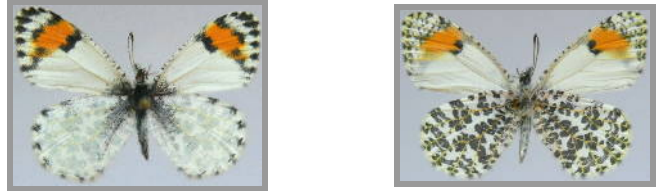
Anthocharis sara sara female.
Temblor Range, Hwy. 58,
Kern Co., April 17, 1980.



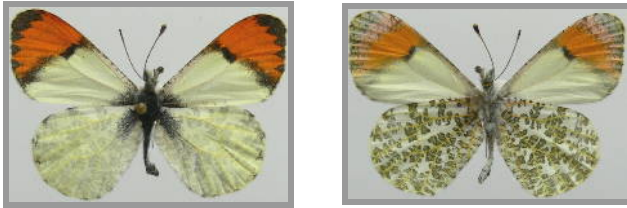
Anthocharis thoosa pseudothoosa male.
W. of Westgard Pass above Narrows 7000',
White Mts., Inyo Co., May 7, 1985.



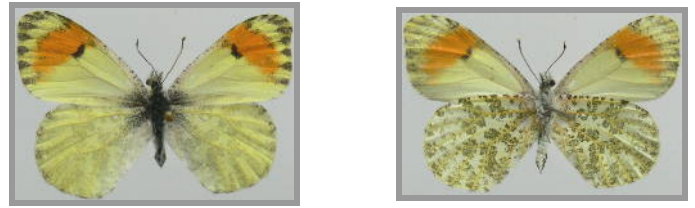
Anthocharis thoosa pseudothoosa female.
Below Narrows N. of Hwy. 168, 9 mi. E. of Big Pine,
White Mts., Inyo Co., April 28, 2006.



Anthocharis stella stella male.
Stream near Fresno Dome 7500',
Madera Co., July 2, 1996.



Anthocharis stella stella female.
Stream near Fresno Dome 7500',
Madera Co., July 2, 1996.



Anthocharis lanceolata lanceolata male.
Briceburg along Merced River, Mariposa Co., March 28, 1981.



Anthocharis lanceolata lanceolata female.
Mineral King Rd. below Sequoia Nat'l Park, Tulare Co., May 8, 1993.



Colias philodice male.
Hwy 88, NE of Woodford, Alpine Co., June 12, 2003.



Colias philodice female.
St. David, Cochise Co., AZ, September 10, 1977.



Colias eurytheme male.
Hart Park near Bakersfield, Kern Co., July 20, 1977.



Colias eurytheme female.
Orange form: Fish Camp 5000', Mariposa Co., August 4, 1990.



Colias eurytheme female.
White form: Tehachapi Mts., Cummings Creek, Kern Co., April 27, 1990.



Colias occidentalis chrysomelas male.
1 mi. N. Hoberg, Lake Co., May 30, 1999 leg. M. Grinnell.
Presence in region needs documentation.



Colias occidentalis chrysomelas female.
Harrington Flat Road, nr. Hoberg, Lake Co., May 25, 1992 leg. M. Grinnell.



Colias alexandra edwardsii male.
1.5 mi. W. of Cherry Canyon summit, Nye Co., Nevada, July 14, 1980, H. Grisham collection.



Colias alexandra edwardsii female.
Schellbourne Pass, White Pine Co., Nevada, July 16, 1981, H. Grisham collection.



Colias behrii male.
Ridge SE of Mt. Conness 10,000',
Mono Co., July 20, 1976.



Colias behrii female.
Slopes SE side Saddlebag Lake 10,150',
Mono Co., August 6, 1978.



Zerene eurydice male.
Hi Mountain, SLO Co., June 2, 1984.



Zerene eurydice female.
North side of Mt. Pinos, Mil Potrero Rd., Kern Co., June 11, 1987.



Zerene cesonia cesonia male.
Santa Rita Mountains, Madera Canyon, Pima Co., AZ., September 5, 1977.
Occurs as a rare stray in the region.



Zerene cesonia cesonia female.
Mojave Desert: Red Mountain, San Bernardino Co., April 18, 1978.



Phoebis sennae marcellina male.
Mojave Desert: Cinco/Cantil, Kern Co., October 3, 1984.
Occurs as a rare stray in the region.



Phoebis sennae marcellina female.
Yellow form - Mojave Desert: Cinco/Cantil, Kern Co. September 20, 1984.



Phoebis sennae marcellina female.
White form - Mojave Desert: Cantil near Koehn Dry Lake, Kern Co., July 8, 1992.



Kricogonia lyside male.

Ex ovum, emerged August 30, 1995; Tucson, Pima Co., Arizona,
reared by J. Brock.

Occurs as a rare stray in the region; records need verification.



Kricogonia lyside female.

Ex ovum, emerged August 29, 1995; Tucson, Pima Co., Arizona,
reared by J. Brock.



Nathalis iole male.

Kingman,
Mohave Co., AZ., October 4, 1991.
Rare stray or transiently established in region.



Nathalis iole female.

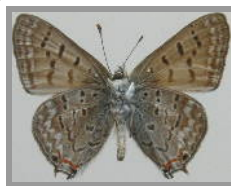
Patagonia,
Santa Cruz Co., AZ., October 4, 1978.



Lycaenidae

Lycaena arota arota male.

Tehachapi Mts., Tehachapi Loop,
Kern Co., June 9, 1990.



Lycaena arota arota female.

8 mi. S. of Kennedy Meadows,
Tulare Co., July 29 1988.



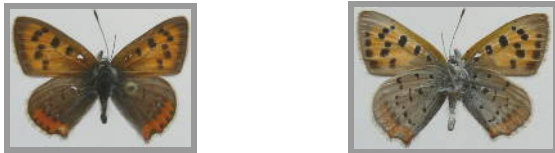
Lycaena arota virginiensis male.
Bodie Rd. E. of Hwy. 395, W. of Bodie,
Mono County, August 9, 1988.



Lycaena arota virginiensis female.
Bodie Rd. E. of Hwy. 395, W. of Bodie,
Mono County, August 9, 1988.



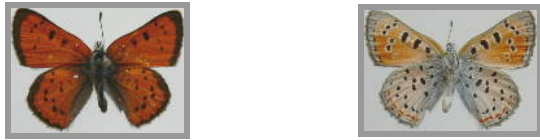
Lycaena phlaeas alpestris male.
North facing slope S. of Sonora Pass 11,000',
Mono Co., July 9, 1987.



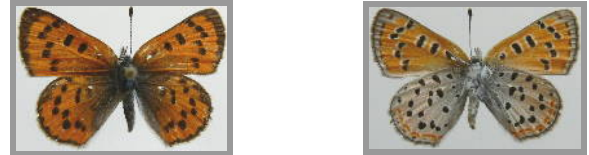
Lycaena phlaeas alpestris female.
Stream below north facing slope S. of Sonora Pass
10,600', Mono Co., July 9, 1987.



Lycaena cuprea lapidicola male.
Warren Creek (E. of Tioga Pass) 9000',
Mono Co., June 21, 1986.



Lycaena cuprea lapidicola female.
Slopes SE above Saddlebag Lake 10,700',
Mono Co., August 6, 1978.



Lycaena xanthoides xanthoides male.
2 mi. S. of Johnsondale,
Tulare Co., May 21, 1990.



Lycaena xanthoides xanthoides female.
Kennedy Meadows,
Tulare Co., July 8, 1988.



Lycaena editha editha male.
E. of Tioga Pass, 9,600',
Mono County, July 5, 2006.



Lycaena editha editha female.
9.3 mi N of Bridgeport,
Mono County, July 9, 1987.



Lycaena editha pseudonexa male.
 Road to Mather N. of Hwy 120, Tuolumne Co.,
 June 27, 1981 leg. J.G. Pasko.
 Photos illustrate controversial species status issues.



Lycaena editha pseudonexa female.
 1 mi. E. of Bartle, Siskiyou Co.,
 July 4, 2000 leg. J.G. Pasko.



Lycaena gorgon gorgon male.
 Kern Canyon, Lucas Creek,
 Kern Co., June 1, 1993.



Lycaena gorgon gorgon female.
 Near Johnsondale,
 Tulare Co., June 18, 1983.



Lycaena gorgon micropunctata male.
 Pine Creek Canyon 4500',
 Inyo Co., May 31, 1999.



Lycaena gorgon micropunctata female.
 Lower Rock Creek Gorge,
 Mono Co., June 27, 1999.



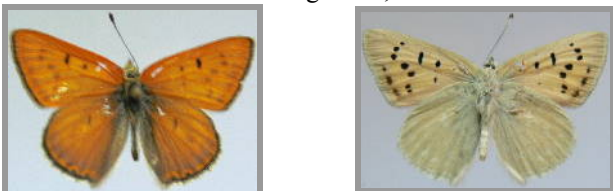
Lycaena rubida monachensis (low elevation) male.
 Little Walker River Rd., SW of Sonora Junction,
 Mono Co., August 17, 2000.
 In series high and low elevation populations are similar color.



Lycaena rubida monachensis (low elevation) female.
 Bridgeport,
 Mono Co., July 22, 1981.



Lycaena rubida monachensis (high elevation) male.
 Ellery Lake E. of Tioga Pass 9600',
 Mono Co. August 16, 2000.



Lycaena rubida monachensis (high elevation) female.
 Ellery Lake E. of Tioga Pass 9600',
 Mono Co., August 16, 1975.



Lycaena heteronea submaculata male.
Hillside above Stony and Woodward Creeks,
Tulare Co., June 29, 1987.



Lycaena heteronea submaculata female.
Hillside above Stony and Woodward Creeks,
Tulare Co., August 2, 1993.



Lycaena heteronea (Eastern Sierra Nevada population) male.
Warren Creek 9000' E. of Tioga Pass,
Mono Co., July 22, 1993.



Lycaena heteronea (Eastern Sierra Nevada population) female.
Warren Creek 9000' E. of Tioga Pass,
Mono Co., August 6, 1978.



Lycaena helloides helloides male.
Tehachapi Mts., Caliente,
Kern Co., July 14, 1992.



Lycaena helloides helloides female.
Havilah,
Kern Co., May 29, 1979.



Lycaena nivalis nivalis male.
Niagara Creek, S. of Hwy. 108,
Tuolumne Co., July 13, 1994.



Lycaena nivalis nivalis female.
Niagara Creek, S. of Hwy. 108,
Tuolumne Co., July 13, 1994.



Lycaena mariposa mariposa male.
Hudsonian forest below Saddlebag Lake 9600',
Mono Co., August 16, 2000.



Lycaena mariposa mariposa female.
Hudsonian forest below Saddlebag Lake 9600',
Mono Co., August 11, 1991.



Habrodais grunus grunus male.
Mt. Tehachapi,
Kern Co., July 25, 1998.



Habrodais grunus grunus female.
Jerseydale,
Mariposa Co., June 23, 1987.



Atlides halesus corcorani male.
Needles,
San Bernardino Co., May 3, 1995.



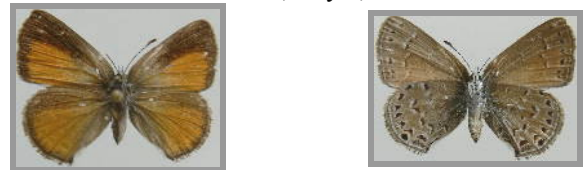
Atlides halesus corcorani female.
Sugar Pine,
Madera Co., September 5, 1995.



Satyrium behrii behrii male.
Bald Mountain 9360',
Tulare Co., June 23, 1994.



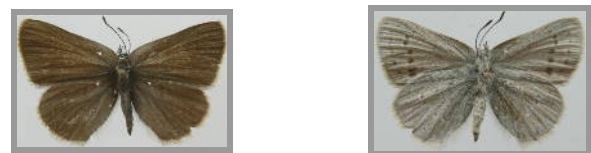
Satyrium behrii behrii female.
2 mi. W. of Bald Mountain on Sherman Pass Rd., 8000',
Tulare Co., July 6, 1992.



Satyrium semiluna maculadistinctum male.
Hills NE of Sonora Pass 10,000',
Mono Co., August 9, 1998.
Originally described as *Satyrium fuliginosum maculadistinctum* in 1998.



Satyrium semiluna maculadistinctum female.
Hills NE of Sonora Pass 10,000',
Mono Co., August 9, 1998.



Satyrium californicum californicum male.
Tehachapi Mts., Keene,
Kern Co., May 17, 1987.



Satyrium californicum californicum female.
Alder Creek 6700', Sherman Pass Rd.,
Tulare Co., July 8, 1988.



Satyrium californicum cygnus male.
Spring 7 mi. S. of Kennedy Meadows,
Tulare Co., June 30, 1988.



Satyrium californicum cygnus female.
Bodie Rd. 3 mi. E. of Hwy. 395,
Mono Co., August 9, 1998.



Satyrium sylvinum sylvinum male.
Greenhorn Mts., Glennville,
Kern Co., June 24, 1996.



Satyrium sylvinum sylvinum female.
Coarsegold,
Madera Co., July 3, 1991.



Satyrium sylvinum megapallidum male.
Mono Lake Park,
Mono Co., August 12, 1991.

Individuals may or may not have tails on hind wing.



Satyrium sylvinum megapallidum female.
Mono Lake Park,
Mono Co., August 10, 1991.



Satyrium calanus godarti male.
Kenton Ranch Rd., 1.8 mi. SW Jct. Hwy 115 & Rock Creek
6300', El Paso Co., CO., June 28, 1993. leg. AD Warren.
Probably an accidental import to region in 1964.



Satyrium calanus godarti female.
Kenton Ranch Rd., 1.8 mi. SW Jct. Hwy 115 & Rock Creek
6300', El Paso Co., CO., June 28, 1993. leg. AD Warren.



Satyrium auretteorum auretteorum male.
Alder Creek 6700', W. of Sherman Pass,
Tulare Co. August 5, 1982.



Satyrium auretteorum auretteorum female.
San Joaquin River Gorge, 1 mi. below Power House Rd.,
Fresno Co., May 14, 2004.



Satyrium tetra male.
Sierra Madre, Miranda Pines,
Santa Barbara Co., June 28, 1995.



Satyrium tetra female.
Sherman Pass Rd. E. of Kern River 4600',
Tulare Co., June 25, 1985.



Satyrium saepium saepium male.
Upper Kern River, Calkin's Flat,
Tulare Co., June 12, 1999.



Satyrium saepium saepium female.
9.1 mi. N. of Bridgeport,
Mono Co., August 9, 1998.



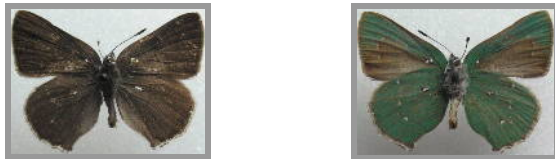
Satyrium saepium subaridum male.
Lower Rock Creek,
Mono Co., June 27, 1999.



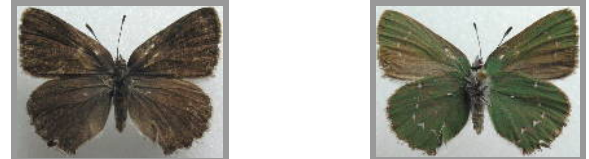
Satyrium saepium subaridum female.
Swall Meadow,
Mono Co., June 27, 1999.



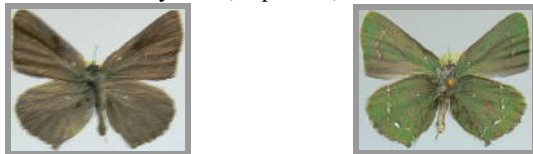
Callophrys perplexa male.
Sierra Nevada west slope population on *Lotus*.
Hwy 190 and Camp Wishon Turnoff area, 3000',
Tulare Co., March 30, 1989.



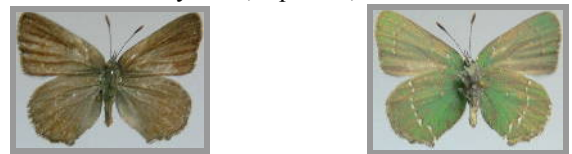
Callophrys perplexa female.
Sierra Nevada west slope population on *Lotus*.
Hwy 190 and Camp Wishon Turnoff area, 3000',
Tulare Co., March 30, 1989.



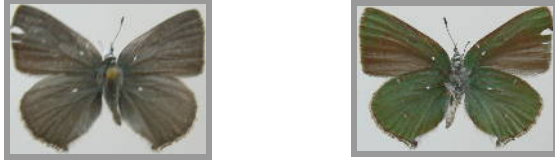
Callophrys perplexa superperplexa male.
Canyon E. of Whitney Portal,
Inyo Co., April 28, 2006.



Callophrys perplexa superperplexa female.
Canyon E. of Whitney Portal,
Inyo Co., April 25, 2005.



Callophrys lemberti lemberti male.
South Fork of Bishop Creek 8300',
Inyo Co., May 27, 1997.



Callophrys lemberti lemberti female.
Tioga Rd., Warren Creek 9000',
Mono Co., June 21, 1986.



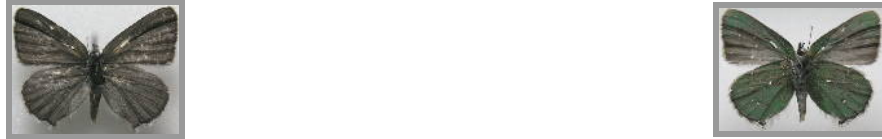
Callophrys comstocki interrupta male.
Narrows (Hwy. 168), W. of Westgard Pass,
White Mountains, Inyo Co., April 28, 2006.
May occur in region.



Callophrys comstocki interrupta female.
Narrows (Hwy. 168), W. of Westgard Pass,
White Mountains, Inyo Co., May 13, 2006.



Callophrys comstocki interrupta male exhibiting "lemberti" phenotype.
White Mts., Hwy. 168, W. of Westgard Pass below the Narrows, Inyo Co., CA. April 28, 2006.



Cisincisalia spinetorum spinetorum male.
Fresno Dome area near Sivels Mtn.,
Madera Co., June 11, 1993.



Cisincisalia spinetorum spinetorum female.
Spring, 7 mi. S. of Kennedy Meadows,
Tulare Co., May 25, 1985.



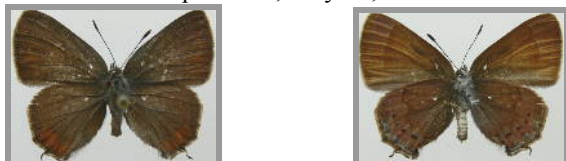
Cisincisalia johnsoni johnsoni male.
Pacific Spirit Park, Vancouver, BC,
June 22, 1990 leg. R. Ashton.



Cisincisalia johnsoni johnsoni female.
Mormon Emigrant Trail, .5 mi. NW Hwy. 88,
El Dorado Co., June 7, 2004 leg. J. Brock.



Mitoura nelsoni nelsoni male.
Fish Camp 5000',
Mariposa Co., May 22, 1993.



Mitoura nelsoni nelsoni female.
Greenhorn Mts., S. of Tiger Flat,
Kern Co., June 20, 1987.



Mitoura siva chalcosiva male.

White Mts.: 0.3 mi. above Narrows W. of Westgard Pass
7000', Inyo Co., June 21, 1988.



Mitoura siva chalcosiva female.

White Mts.: 0.3 mi. above Narrows W. of Westgard Pass 7000',
Inyo Co., June 21, 1988.



Deciduphagus augustinus iroides male.

Sugar Pine,
Madera Co., May 23, 1992.



Deciduphagus augustinus iroides female.

Upper Kern River at Roads End/Fairview area,
Tulare Co., March 21, 1999.



Deciduphagus augustinus (Eastern Sierra Nevada segregate)
male.

Big Pine Canyon, Inyo Co., April 30, 2000.



Deciduphagus augustinus (Eastern Sierra Nevada segregate)
female.

Lower Rock Creek, Mono Co., May 10, 2006.



Deciduphagus mossii windi male.

Salt Springs Reservoir Rd., W. Fork Panther Creek, 12 mi. S.
of Hwy. 88, Amador Co., larva collected June 4, 1988,
emerged March 30, 1989 leg. Jim Brock.



Deciduphagus mossii windi female.

Salt Springs Reservoir Rd., W. Fork Panther Creek, 12 mi. E of
Hwy 88, Amador Co., larva collected June 4, 1988; emerged
March 9, 1989 leg. Jim Brock.



Incisalia eryphon eryphon male.

Dinky Creek,
Fresno Co., May 27, 2002.



Incisalia eryphon eryphon female.

Big Meadow (Kern Plateau) 8000',
Tulare Co., June 20, 1980.



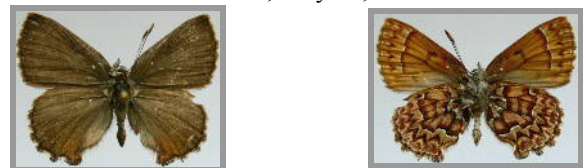
Incisalia eryphon pallescens male.

Lower Rock Creek,
Mono Co., May 14, 2006.



Incisalia eryphon pallescens female.

Lower Rock Creek,
Mono Co., May 14, 2006.



Strymon melinus pudicus male.
Porterville,
Tulare Co., September 5, 1987.



Strymon melinus pudicus female.
Hart Park near Bakersfield,
Kern Co., September 17, 1982.



Brephidium exile male.
Kaweah River at Hwy. 216,
Tulare Co., September 6, 1985.



Brephidium exile female.
Mojave Desert: Red Mountain,
San Bernardino Co., April 18, 1978.



Leptotes marina male.
San Joaquin Valley: Edison,
Kern Co., October 15, 1992.



Leptotes marina female.
Tioga Rd., Junction Camp,
Mono Co., June 21, 1986.



Hemiargus ceraunus gyas male.
Whitney Portal,
Inyo Co., June 18, 2006.
Species likely to occur within the region.



Hemiargus ceraunus gyas female.
Kern River at Hart Park near Bakersfield,
Kern County, September 23, 1982.



Echinargus isola male.
Needles,
San Bernardino Co., April 24, 1994.



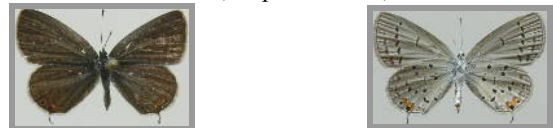
Echinargus isola female.
Mojave Desert: Cantil,
Kern Co., May 26, 1992.



Everes comyntas sissona male.
Lost Lake Park,
Fresno Co., September 12, 2003.



Everes comyntas sissona female.
Lost Lake Park,
Fresno Co., September 12, 2003.



Everes amyntula amyntula male.
Tehachapi Mts.: Cummings Creek, S. of Tehachapi,
Kern Co., June 9, 1982.



Everes amyntula amyntula female.
Mojave Desert: S. end of Koehn Dry Lake at Cantil,
Kern Co., May 26, 1992.



Everes amyntula montanorum male.
Pine Creek Canyon 6000',
Inyo Co., May 30, 1999.



Everes amyntula montanorum female.
Ridge SE of Sonora Pass 10,000',
Mono Co., August 9, 1998.



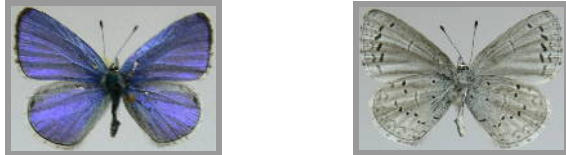
Celastrina echo echo male.
McGinnis Creek, Navajo Camp,
San Luis Obispo Co., March 9, 1993.



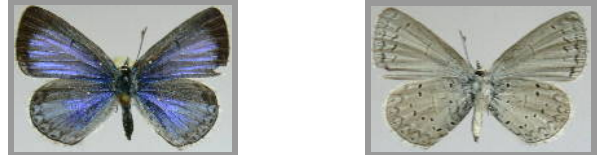
Celastrina echo echo female.
Fresno Dome Camp,
Madera Co., June 13, 2002.



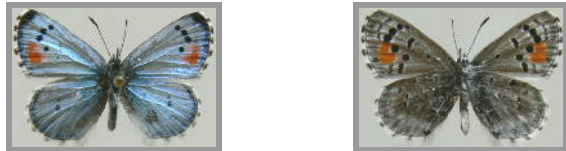
Celastrina "echo near cinerea" male.
Lower Rock Creek,
Mono Co., May 14, 2006.



Celastrina "echo near cinerea" female.
White Mountains, Hwy. 168 below Narrows,
Inyo Co., May 13, 2006.



Philotes sonorensis (Sierra Nevada population) male.
Rocky canyon off Chimney Peak Rd. W. of Lamont
Meadows, Tulare Co., March 21, 2003.



Philotes sonorensis (Sierra Nevada population) female.
Briceburg on rocky slopes above Merced River,
Mariposa Co., March 10, 1979.



Euphilotes battoides battoides male.
John Muir Wilderness, Mosquito Flats,
Inyo Co., July 13, 1990.
Howard Grisham collection.



Euphilotes battoides battoides female.
Rocky outcrops below Saddlebag Lake Dam 10,100',
Mono Co., July 5, 1989.



Euphilotes glaucon glaucon male.
Lundy Lake Rd. 8000',
Mono Co., June 26, 1999.



Euphilotes glaucon glaucon female.
Lundy Lake Rd. 8000',
Mono Co., June 26, 1999.



Euphilotes glaucon australoglaucan male.
North facing slope, South Fork of Bishop Creek, 8000',
Inyo Co., June 17, 2004.



Euphilotes glaucon australoglaucan female.
Sherwin Summit off Hwy. 395,
Mono Co., May 17, 1993.



Euphilotes baueri baueri male.
Hwy 168, W. of Westgard Pass below the Narrows,
White Mts., Inyo Co., May 7, 1985.
May occur in region.



Euphilotes baueri baueri female.
W. of Westgard Pass below Narrows 6500',
White Mts., Inyo Co., May 7, 1985.



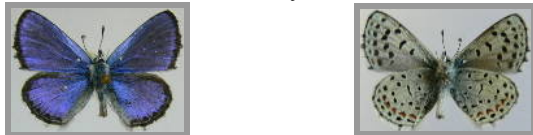
Euphilotes enoptes enoptes male.
Saddlebag Lake 10,100',
Mono Co., July 5, 1989.



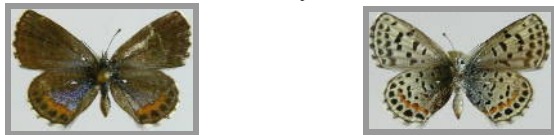
Euphilotes enoptes enoptes female.
Tioga Rd. at Warren Creek 9000',
Mono Co., July 3, 1989.



Euphilotes enoptes langstoni male.
Lower Rock Creek,
Mono Co., May 14, 2006.



Euphilotes enoptes langstoni female.
Sherwin Summit (Hwy. 395),
Mono Co., May 17, 1993.



Euphilotes enoptes aridorum male.
Just SE Hwy 395 Red Rock exit, Washoe Co., NV
on *Eriogonum elatum* July 22, 2000 leg. JG Pasko.
Reported from region in 2006 but
status in region may be questionable.



Euphilotes enoptes aridorum female.
Just SE Hwy 395 Red Rock exit, Washoe Co., NV
on *Eriogonum elatum* July 22, 2000 leg. JG Pasko.



Euphilotes ancilla pseudointermedia male.
 Bald Mountain Lookout 9104',
 Mono Co., June 27, 1999.
 Identification of specimens tentative
 pending genitalic confirmation.



Euphilotes ancilla pseudointermedia female.
 McGee Canyon,
 Mono Co., June 20, 2006.



Euphilotes pallescens male.
 McGee Canyon Rd. (NE of Glass Mtn.), 2-4 mi. W. of
 Hwy.120, Mono Co., August 2, 2004.



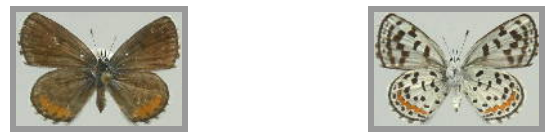
Euphilotes pallescens female.
 McGee Canyon Rd. (NE of Glass Mtn.), 2-4 mi. W. of
 Hwy.120, Mono Co., August 2, 2004.



Euphilotes pallescens elvirae male.
 2-4 mi. E. of Walker Pass,
 Kern Co., August 25, 1989.
 Population in southern Mono County blends
 towards *elvirae*, a ssp. found south of the region.



Euphilotes pallescens elvirae female.
 2-4 mi. E. of Walker Pass,
 Kern Co., August 25, 1989.



Philotiella speciosa bohartorum male.
 $\frac{3}{4}$ mi. E. of Briceburg, Mariposa Co.,
 April 11, 1970 leg. J. Mori & O. Shields.
 Female not available for illustration.



Philotiella speciosa speciosa male.
 Lubken Canyon just W. of Hwy. 395, S. of Lone Pine,
 Inyo Co., April 25, 2005.
 Shown for comparison with *bohartorum*.



Philotiella speciosa speciosa female.
 Lubken Canyon just W. of Hwy. 395, S. of Lone Pine,
 Inyo Co., May 7, 1992.
 Shown to illustrate female of species.



Glaucopsyche piasus piasus male.
 Fresno Dome area near Sivals Mtn.,
 Madera Co., May 23, 1993.



Glaucopsyche piasus piasus female.
 Fresno Dome, slopes near Saddle 7000',
 Madera Co., June 13, 2002.



Glaucopsyche piasus excubita male.
1 mi. S. of Sageland, Kelso Valley,
Kern Co., March 20, 1995.



Glaucopsyche piasus excubita female.
Bishop Creek 7000',
Inyo Co., May 18, 1993.



Glaucopsyche piasus nevada male.
Lundy Lake Rd. 8000',
Mono Co., June 26, 1999.



Glaucopsyche piasus nevada female.
Ridge NE of Sonora Pass 10,000',
Mono Co., August 9, 1998.



Glaucopsyche lygdamus near *incognitus* male.
Briceburg,
Mariposa Co., March 28, 1981.



Glaucopsyche lygdamus near *incognitus* female.
Mineral King Rd. below Sequoia Nat'l Park,
Tulare Co., March 27, 2004.



Glaucopsyche lygdamus male.
Sierra Nevada high elevation segregate.
3.4 mi. W. of Sherman Pass 8000', Tulare Co., June 9, 2001.



Glaucopsyche lygdamus female.
Sierra Nevada high elevation segregate.
Dinky Creek Rd., Fresno Co., May 27, 2002.



Glaucopsyche lygdamus (Eastern Sierra Nevada segregate)
male.
Hot Crk. SE Mammoth Mt., Mono Co., May 14, 2006.



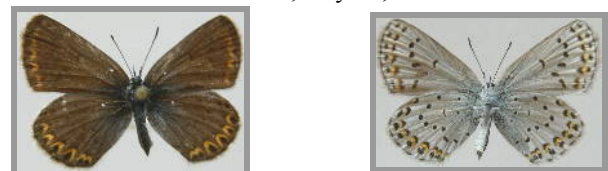
Glaucopsyche lygdamus (Eastern Sierra Nevada segregate)
female.
Lower Rock Creek Gorge, Mono Co., May 14, 2006.



Plebejus anna anna male.
Meadow off Fresno Dome Trail 7200',
Madera Co., July 11, 1999.



Plebejus anna anna female.
Fresno Dome Camp,
Madera Co., July 26, 1992.



Plebejus melissa paradoxa male.
Lower Rock Creek Gorge,
Mono Co., May 14, 2006.



Plebejus melissa paradoxa female.
Owens Valley: Olancha,
Inyo Co., August 21, 1981.



Several specimens are used to demonstrate variation within *Plebejus fridayi*, a newly recognized species. Further study of the name **fridayi** may show that it applies to another entity within the *Lycaeides* blues complex.

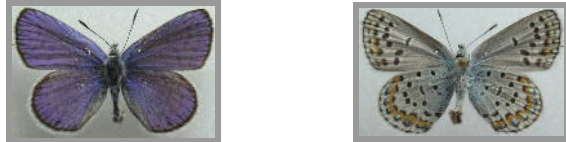
Plebejus fridayi (alpine population) male.
Hills NE of Sonora Pass 10,200',
Mono Co., July 27, 2002.



Plebejus fridayi (alpine population) female.
S. of Sonora Pass at 11,000',
Mono Co., July 27, 2002.



Plebejus fridayi (alpine population) male.
South Fork of Bishop Creek,
Inyo Co., August 8, 1998.



Plebejus fridayi (alpine population) female.
Ridge N. of Sonora Pass 10,200',
Mono Co., July 27, 2002.



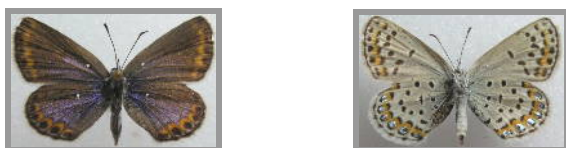
Plebejus fridayi (or possible high elevation *melissa*) male.
Table Mtn. Camp, South Fork of Bishop Creek, 8600',
Inyo Co., July 6, 2006.



Plebejus fridayi female (alpine population).
Ridge N. of Sonora Pass 10,200',
Mono Co., July 27, 2002.



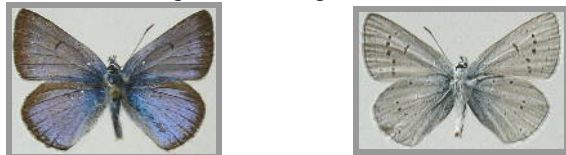
Plebejus fridayi female (or possible high elevation *melissa*).
Table Mtn. Camp, South Fork of Bishop Creek, 8600',
Inyo Co., July 11, 1994.



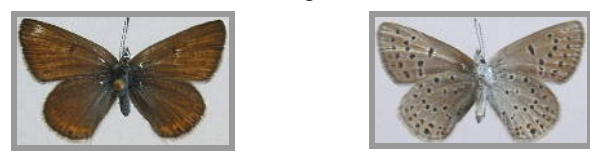
Plebejus fridayi female (or possible high elevation *melissa*).
South Fork of Bishop Creek 9000',
Inyo Co., July 11, 1995.



Plebejus saepiolus aehaja male.
Fish Camp 5000',
Mariposa Co., August 4, 1990.



Plebejus saepiolus aehaja female.
Ridge SE of Mt. Conness,
Mono Co., August 11, 1991.



Plebejus saepiolus rufescens male.
 State Route 270 E. of Hwy. 395 W. of Bodie,
 Mono Co., June 26, 1991.
 Questionable status as a valid subspecies in region.



Plebejus saepiolus rufescens female.
 State Route 270 E. of Hwy. 395 W. of Bodie,
 Mono Co., June 26, 1991.



Plebejus icarioides icarioides male.
 Fresno Dome Rd. 5000',
 Madera Co., May 23, 1993.



Plebejus icarioides icarioides female.
 Fresno Dome region near Sivals Mountain.,
 Madera Co., June 11, 1993.



Plebejus icarioides fulla male.
 Sonora Pass 9680',
 Mono Co., July 7, 1987.



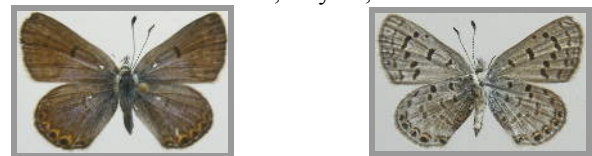
Plebejus icarioides fulla female.
 Sonora Pass 10,000',
 Mono Co., July 12, 1994.



Plebejus shasta shasta male.
 S. of Sonora Pass 10,200',
 Mono Co., August 9, 1998.



Plebejus shasta shasta female.
 S. of Sonora Pass 10,800',
 Mono Co., July 12, 1994.



Plebejus shasta chalcas male.
 Ridge 1.5 to 2 mi. SW of Bodie 9200',
 Mono Co., June 22, 2006.
 Female not available for illustration.



Plebejus acmon acmon male.
 Sawmill Rd., Greenhorn Mts.,
 Kern Co., May 22, 2002.



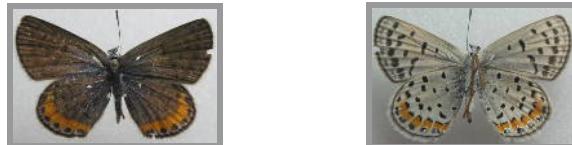
Plebejus acmon acmon female.
 Fresno Dome,
 Madera Co., September 19, 2003.



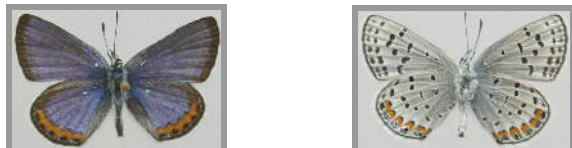
Plebejus lupini goodpasturei male.
Taylor Springs,
Mono Co., June 20, 2006.



Plebejus lupini goodpasturei female.
Bodie Hills 8000',
Mono Co., June 20, 2006.



Plebejus lupini (Eastern Sierra Nevada population) male.
E. of Tioga Pass 7500',
Mono Co., June 26, 1999.



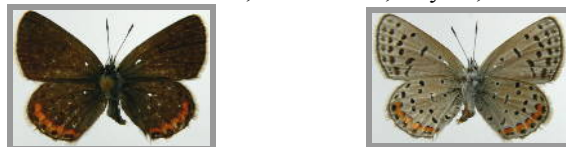
Plebejus lupini (Eastern Sierra Nevada population) female.
Lower Rock Creek, Mono Co., June 21, 2006.
Females of this "blend zone population" tend to have more blue
overscaling above than the more brown *goodpasturei*.



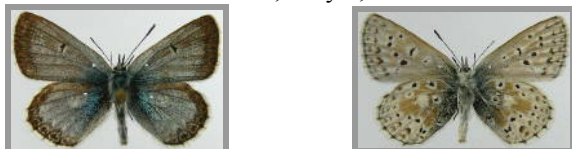
Plebejus lupini alpicola male.
Saddlebag Lake 10,050', Mono Co., July 5, 1989.



Plebejus lupini alpicola female.
Fresno Dome 7600', Madera Co., July 11, 1999.



Agriades podarce cilla male.
Meadow near Fresno Dome 7200',
Madera Co., July 5, 1999.



Agriades podarce cilla female.
Meadows W. of Saddlebag Lake 9500',
Mono Co., July 25, 1981.



Agriades cassiope cassiope male.
North slope of Mt. Dana above Ellery Lake 11,000',
Mono Co., July 24, 1993.



Agriades cassiope cassiope female.
North slope of Mt. Dana above Ellery Lake 11,000',
Mono Co., July 22, 1993.



Riodinidae

Apodemia mormo mormo male.
White Mts., Hwy. 168, W. of Narrows,
Inyo Co., August 12, 2006, leg. JG Pasko.



Apodemia mormo mormo female.
White Mts., Hwy. 168, W. of Narrows,
Inyo Co., August 12, 2006, leg. JG Pasko.



Apodemia cythera cythera male.
Flat above Lower Rock Creek Gorge,
Mono Co., August 25, 1998.



Apodemia cythera cythera female.
Whitney Portal,
Inyo Co., September 1, 2002.



Apodemia cythera tuolumnensis male.
Sherman Pass Rd. 4200' (1 mi. E. of Kern River),
Tulare Co., Sept. 1, 2003.



Apodemia cythera tuolumnensis female.
Piute Mts. S. of Bodfish,
Kern Co., September 10, 1988.



Apodemia virgulti davenporti male.
Bird Spring Pass, 4500',
Kern Co. April 22, 2000.
Species may occur in region.



Apodemia virgulti davenporti female.
Bird Spring Pass Microwave Hill 5300',
Kern Co., May 13, 2000.



Libytheidae

Libytheana carinenta streckeri male.
Santa Rita Mts., Madera Canyon,
Pima Co., AZ., September 5, 1977.
Very rare stray to region.



Libytheana carinenta streckeri female.
Sycamore Canyon,
Santa Cruz Co., AZ., September 8, 1977.



Nymphalidae

Agraulis vanillae incarnata male.
Bakersfield, Kern Co., September 21, 1979.
Likely strays into region.



Agraulis vanillae incarnata female.
Bakersfield, Kern Co., September 5, 2003.



Euptoieta claudia male.
South of Ash Fork, Yavapai Co., AZ., July 8, 1995
Very rare stray to region.



Euptoieta claudia female.
Coffeerville, Upshur Co., Texas. June 17, 1991.



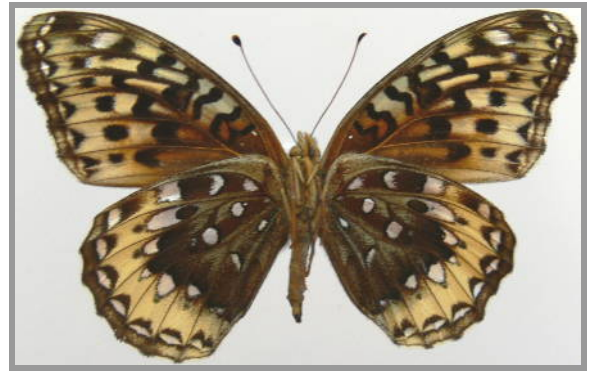
Speyeria leto leto male.

Niagara Creek, S. of Sonora Pass Rd. (Hwy. 108), Tuolumne Co., July 12, 1994.



Speyeria leto leto female.

Fish Camp 5000', Mariposa Co., July 25, 1992.



Speyeria nokomis apacheana male.

Rovana, Round Valley, Inyo Co., August 8, 1998.



Speyeria nokomis apacheana female.
Round Valley, Inyo Co., August 10, 1985 leg. R. Wuttken.



Speyeria coronis snyderi male.
E. of Mt. Nebo, Bear Canyon, Juab Co., Utah, June 25, 2002.
Shown to represent the species, *snyderi* may stray into the region.



Speyeria coronis snyderi female.
E. of Mt. Nebo, Bear Canyon, Juab Co., Utah, June 25, 2002.



Speyeria coronis (Eastern Sierra Nevada segregate) female.
Big Pine Creek, 8100', Inyo Co., August 6, 1996 leg D. Giuliani., John F. Emmel collection.
Male not available to illustrate.



Speyeria zerene monticola male.
Fish Camp 5000', Mariposa Co., July 25, 1992.
Previously known as nominotypical *zerene* in region.



Speyeria zerene monticola female.
Fish Camp 5000', Mariposa Co., July 28, 1989.



Speyeria zerene malcolmi male.
9.1 mi. N. of Bridgeport, Mono Co., July 22, 1981.



Speyeria zerene malcolmi female.
Little Walker River Rd., SW of Sonora Junction, Mono Co., August 17, 2000.



Speyeria callippe rupestris male.
Badger-Eshom Rd., Tulare Co., July 10, 1983.



Speyeria callippe rupestris female.
Badger-Eshom Rd., Tulare Co., July 10, 1983.



Speyeria callippe nevadensis male.
Bald Mountain. Lookout 9104', Mono Co., June 27, 1999.



Speyeria callippe nevadensis female.
Bridgeport Canyon, Mono County, July 9, 2004.



Speyeria egleis egleis male.
Fresno Dome 7300', Madera Co., July 11, 1999.



Speyeria egleis egleis female.
Warren Creek 9000', E. of Tioga Pass, Mono Co., July 5, 1989.



Speyeria hesperis irene male.
Niagara Creek area (S. of Hwy. 108), Tuolumne Co., July 8, 1987.



Speyeria hesperis irene female.
Niagara Creek area, S. of Hwy. 108, Tuolumne Co., July 13, 1994.



Speyeria hydaspe near *viridicornis* male.
Fresno Dome Camp,
Madera Co., July 26, 1992.



Speyeria hydaspe near *viridicornis* female.
Fish Camp 5000',
Mariposa Co., July 25, 1992.



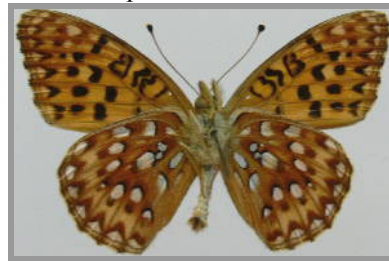
Speyeria hydaspe viridicornis male.
Greenhorn Mts., Sunday Peak 7000', June 25, 1997.
Illustrated from Greenhorns for comparison with Yosemite *hydaspe*.



Speyeria hydaspe viridicornis female.
Greenhorn Mts., Greenhorn Mountain Park 6000', Kern Co., July 15, 1992.



Speyeria mormonia mormonia (low elevation) male.
Fish Camp 5000', Mariposa Co., July 28, 1989.
Populations from Fish Camp may be an undescribed subspecies.



Speyeria mormonia mormonia (low elevation) female.
Fish Camp 5000', Mariposa Co., August 4, 1990.



Speyeria mormonia mormonia (high elevation) male.
Saddlebag Lake, Mono Co., August 16, 2000.



Speyeria mormonia mormonia (high elevation) female.
Meadow W. of Saddlebag Lake 9500', Mono Co., August 13, 1970.



Speyeria mormonia obsidiana male.

Glass Mountain., Sawmill Meadow 9200', Mono Co., August 2, 2004.



Speyeria mormonia obsidiana female.

Glass Mountain., Sawmill Meadow 9200', Mono Co., August 2, 2004.



Boloria epithore sierra male.

Sugar Pine,
Madera Co., May 23, 1992.



Boloria epithore sierra female.

Fresno Dome 7000',
Madera Co., June 11, 1993.



Chlosyne leanira male.

Piute Mts. 2 mi. S. of Bodfish, Kern Co., May 21, 1979.

Butterflies from this population are actually a *leanira* X *wrighti* blend zone but these illustrated specimens well display what nominate *leanira* looks like.



Chlosyne leanira leanira X *wrighti* female.

Piute Mts. 2 mi. S. of Bodfish, Kern Co., May 29, 1995.

Illustrates phenotype of nominate *leanira*.



Chlosyne leanira alma male.
 Scenic Turnout S. of Sherwin Summit, Hwy. 395,
 Mono Co., May 12, 1989.



Chlosyne leanira alma female.
 Hilltop overlooking Rock Creek Gorge,
 Mono Co., May 17, 1993.



Chlosyne leanira basinensis male.
 Walker,
 Mono Co., May 27, 1973 leg. J. Mori.



Chlosyne leanira basinensis female.
 Walker,
 Mono Co., May 27, 1973 leg. J. Mori.



Chlosyne palla palla male.
 Mineral King Rd. milepost 8.6,
 Tulare Co., May 7, 2002.



Chlosyne palla palla female.
 Methuselah Camp near Balch Park,
 Tulare Co., June 25, 2005.



Chlosyne palla altasierra male.
 Fresno Dome Saddle 7200',
 Madera Co., July 11, 1999.



Chlosyne palla altasierra female.
 Near Fresno Dome 8000',
 Madera Co., July 5, 1999.



Chlosyne acastus acastus male.
 South Fork of Bishop Creek 6600',
 Inyo County May 8, 1997.



Chlosyne acastus acastus female.
 Flat above Lower Rock Creek Gorge,
 Mono Co., May 9, 1997.



Chlosyne acastus neumoegei male.
 Lower Nine Mile Canyon,
 Inyo Co., March 28, 2003.
 No records, but could occur in region.



Chlosyne acastus neumoegei female.
 Kelso Valley Rd. in canyon 13 mi. S. of Hwy. 178 (Weldon),
 Kern Co., April 14, 2000.



Chlosyne whitneyi whitneyi male.
 Rocky slopes SE of Sonora Pass 10,500',
 Mono Co., July 12, 1994.



Chlosyne whitneyi whitneyi female.
 Rocky slopes S. of Sonora Pass, 11,000',
 Mono Co., July 12, 1994.



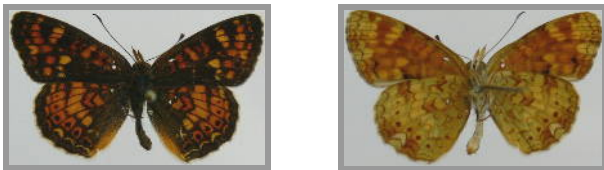
Chlosyne hoffmanni hoffmanni male.
 Fresno Dome area 6700',
 Madera Co., July 1, 1996.



Chlosyne hoffmanni hoffmanni female.
 Niagara Creek, S. of Sonora Pass Rd. (=Hwy. 108),
 Tuolumne Co., July 13, 1994.



Phyciodes pulchellus male.
 (Southern Sierra Nevada segregate).
 5-6 mi. E. of Big Meadow
 (near Kings Canyon National Park),
 Tulare Co., June 28, 2003.



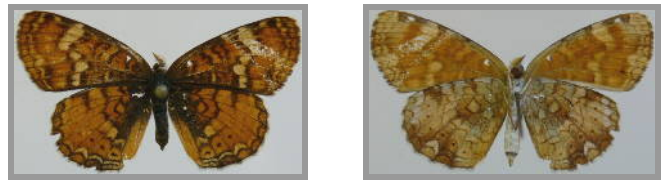
Phyciodes pulchellus female.
 (Southern Sierra Nevada segregate).
 Fresno Dome Rd. 4200',
 Madera Co., May 28, 2002.



Phyciodes pulchellus montanus male.
 Fresno Dome, Madera Co., June 11, 1993.
 Specimen pictured represents *montanus* well, but actually
 comes from a blend zone population.



Phyciodes pulchellus montanus female.
 Niagara Creek, S. of Hwy. 108,
 Tuolumne Co., July 8, 1987.



Phyciodes pulchellus vallis male.
 Tioga Road., Warren Creek 9000', Mono Co., July 5, 1989.
 This population is a blend zone between *montanus* and *vallis*
 but pictured specimen represents *vallis* well.



Phyciodes pulchellus vallis female.
 Bodie Hills W. of Bodie,
 Mono Co., June 26, 1999.



Phyciodes pulchellus male.
 (Eastern Sierra Nevada segregate).
 Swall Meadow,
 Mono Co., May 30, 1999.



Phyciodes pulchellus female.
 (Eastern Sierra Nevada segregate).
 Swall Meadow,
 Mono Co., May 30, 1999.



Phyciodes orseis herlani male.
 Hudsonian forest W. below Saddlebag Lake 9700',
 Mono Co., July 24, 1993.



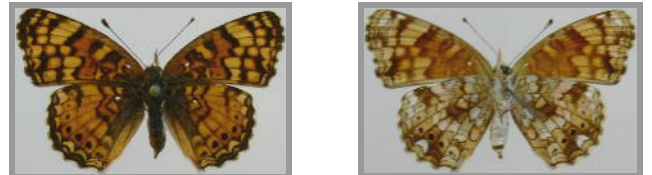
Phyciodes orseis herlani female.
 Hudsonian forest W. below Saddlebag Lake 9700',
 Mono Co., July 24, 1993.



Phyciodes mylitta mylitta male.
 Fish Camp 5000',
 Mariposa Co., September 5, 1995.

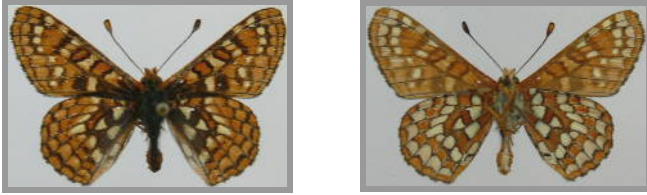


Phyciodes mylitta mylitta female.
 Chowchilla,
 Madera Co., June 23, 1987.



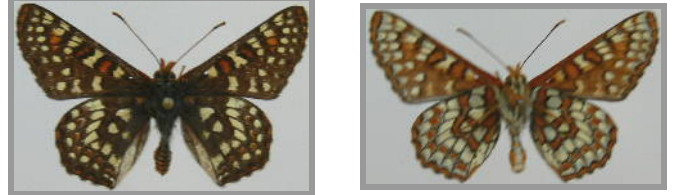
Euphydryas anicia variicolor male.

orange form: Ridge SE of Sonora Pass 11,000',
Mono. Co., July 9, 1987.



Euphydryas anicia variicolor male.

black form: Ridge SE of Sonora Pass 11,000',
Mono Co., July 12, 1994.



Euphydryas anicia variicolor female.

Ridge SE of Sonora Pass 11,000',
Mono Co., July 27, 2002.



Euphydryas anicia variicolor female.

(*wheeleri* phenotype):

Ridge SE of Sonora Pass 11,000', Mono Co., July 12, 1994.



Euphydryas anicia wheeleri male.

White Mountains near Bristlecone Pines 10,400', Inyo Co., June 21, 1988.



Euphydryas anicia wheeleri female.

White Mountains near Bristlecone Pines 10,400', Inyo Co., June 21, 1988.



Euphydryas chalcedona chalcedona male.

Briceburg along Merced River, Mariposa Co., April 20, 1984.



Euphydryas chalcedona chalcedona female.
Lower Mineral King Rd., Tulare Co., May 8, 2002.



Euphydryas chalcedona near *olancha* male.
Tom's Place, Mono Co., June 22, 1986.



Euphydryas chalcedona near *olancha* female.
Swall Meadow, Mono Co., May 20, 1997.



Euphydryas chalcedona sierra male.
Hwy. 4 at Ebbets Pass, Alpine Co., July 16, 1990, Howard Grisham collection.



Euphydryas chalcedona sierra female.
Niagara Creek, S. of Hwy. 108, Tuolumne Co., July 13, 1994.



Euphydryas chalcedona irelandi male.

Granite domes (8000') W. of Big Meadow (near Kings Canyon National Park), Tulare Co., June 23, 1997.
Shown for comparison with ssp *sierra*.



Euphydryas chalcedona irelandi female.

Granite domes 8000' W. of Big Meadow (near Kings Canyon National Park), Tulare Co., June 23, 1997.
Shown for comparison with ssp *sierra*.



Euphydryas editha rubicunda male.

Coarsegold, Madera Co., May 24, 1991.



Euphydryas editha rubicunda female.

Coarsegold, Madera Co., May 24, 1991.



Euphydryas editha nubigena male.

SE above Saddlebag Lake 11,500',
Mono Co., July 23, 1993.



Euphydryas editha nubigena female.

E. above Saddlebag Lake 10,700',
Mono Co., August 14, 1970.



Euphydryas editha monoensis male.
Big Pine Creek Canyon 7500' (W. of Big Pine),
Inyo Co., April 30, 2000.



Euphydryas editha monoensis male.
Big Pine Creek Canyon 7500' (W. of Big Pine),
Inyo Co., April 30, 2000.



Polygonia satyrus male.
Swall Meadow,
Mono Co., May 9, 1997.



Polygonia satyrus female.
Greenhorn Mts., Tiger Flat Rd. just N. of Kern Co. line,
Tulare Co., July 3, 2004.



Polygonia faunus rusticus male.
Sugar Pine, Madera Co., October 14, 2005 leg. M. Leski.



Polygonia faunus rusticus female.
Sugar Pine, Madera Co., October 14, 2005 leg. M. Leski.



Polygonia faunus rusticus female 'silvius' form.
Sugar Pine, Madera Co., April 27, 1992.
Sometimes viewed as a species in the past because of different and variable underside markings..



Polygonia gracilis zephyrus male.
Sugar Pine, Madera Co., March 31, 1994.



Polygonia gracilis zephyrus female.
Fresno Dome Camp, Madera Co., September 19, 2003.



Polygonia oreas oreas male.
Redwood Forest along Highland Way, Santa Cruz Mts., Santa Cruz Co. June 20, 1990.
Questionably reported from within the region.



Polygonia oreas oreas female.
Santa Lucia Mts., small stream Tassajara and Cachagua Rds, Monterey Co. July 30, 1990.



Nymphalis californica californica male.
Near Johnsondale, Tulare Co., June 18, 1983.



Nymphalis californica californica female.
Briceburg, Mariposa Co., March 10, 1979.



Nymphalis antiopa male.
Bakersfield, Kern Co.,
Ex-larva collected June 6, 1980; emerged June 25, 1980.



Nymphalis antiopa female.
Mono Lake Park, Mono Co., August 10, 1991.



Nymphalis milberti subpallida male.
Swall Meadow, Mono Co., May 20, 1997.



Nymphalis milberti subpallida female.
Havilah, Kern Co., May 29, 1979.



Vanessa virginiensis male.
: Porterville, Tulare Co., May 26, 1988.



Vanessa virginiensis female.
Porterville, Tulare Co., May 26, 1988.



Vanessa cardui male.
Bakersfield, Kern Co., March 10, 1977.



Vanessa cardui female.
Sherman Pass 9200', Tulare Co., July 13, 1981.



Vanessa annabella male.
Tehachapi Mts.: Bealville, Kern Co., May 14, 1990.



Vanessa annabella female.
Bakersfield, Kern Co., April 28, 1970.



Vanessa atalanta rubria male.
Bakersfield, Kern Co., May 28, 1977.



Vanessa atalanta rubria female.
Bakersfield, Kern Co., December 21, 1999.



Junonia coenia grisea male.
Briceburg, Mariposa Co., March 10, 1979.



Junonia coenia grisea female.
Fish Camp 5000', Mariposa Co., August 4, 1990.



Limenitis archippus lahontani male.
Fernley, Lyon Co., Nevada, August 16, 1980, Howard Grisham collection.
Questionable record or very rare stray to region.



Limenitis archippus lahontani female.
2 mi. N. Battle Mtn. nr. Humboldt River, 4500', Lander Co., Nevada,
ex-larvae May 8-20, 2000 leg. J. Wolfe, reared by S. Spomer on *Salix*.



Limenitis weidemeyerii near *latifascia* male.
Mono Lake Park, Mono Co., August 10, 1991.



Limenitis weidemeyerii near *latifascia* female.
Mono Lake Park, Mono Co., August 12, 1991.



Limenitis weidemeyerii latifascia X *L. lorquini pallidafacies* (=hybrid form "fridayi") male.
Mono Lake Park, Mono Co., August 10, 1991.



Limenitis lorquini lorquini male.
Spring, 7 mi. S. of Kennedy Meadows, Tulare Co., July 10, 1982.



Limenitis lorquini lorquini female.
Kern River Valley: Weldon, Kern Co., August 8, 1979.



Limenitis lorquini near *pallidafacies* male.
Swall Meadow, Mono Co., June 27, 1999.



Limenitis lorquini near *pallidafacies* female.
Lubken Canyon, S. of Lone Pine, Inyo Co., August 13, 2001.



Adelpha californica male.
 Kern River Valley: Kernville, Kern Co., May 19, 1980.
 Long known as *Adelpha bredowii californica*.



Adelpha californica female.
 Tehachapi Mts.: Tehachapi Mountain Park, Kern Co., July 30, 1981.



Satyridae

Coenonympha ampelos mono male.
 Bodie Rd., 4 mi. E. of Hwy. 395,
 Mono Co., June 26, 1999.



Coenonympha ampelos mono female.
 Mono Lake Park,
 Mono Co., August 10, 1991.



Coenonympha californica californica male.
 Greenhorn Mts., N. of Tiger Flat 7000',
 Tulare Co., September 9, 1996.



Coenonympha californica californica female.
 Lemon Cove, Kaweah River,
 Tulare Co., April 13, 1990.



Cercyonis pegala walkerensis male.
Bridgeport, Mono Co., August 5, 1978.



Cercyonis pegala walkerensis female.
Bridgeport, Mono Co., August 5, 1978.



Cercyonis sthenele silvestris male.
Badger/Eshom Rd., Tulare Co., June 23, 2003.



Cercyonis sthenele silvestris female.
Jerseydale, Mariposa Co., August 9, 1993.



Cercyonis sthenele paulus male.
Kennedy Meadows, Tulare Co., July 8, 1988.



Cercyonis sthenele paulus female.
Mono Lake Park, Mono Co., July 22, 1981.



Cercyonis sthenele behrii male.

Sherman Pass Rd. 7600' (W. of Pass), Tulare Co., July 6, 2003.

Not in region, shown for comparison with ssp. *silvestris*. Note more prominent banding of *behrii* on HW below. Ssp. *silvestris* is more nondescript below. Reports that *behrii* is extinct are incorrect, it is locally common in much of the California Coast Ranges and in the southern Sierra Nevada.



Cercyonis sthenele behrii female.

Tehachapi Mts.: Water Canyon, Kern Co., August 28, 1995.



Cercyonis oetus oetus male.

SE. above Saddlebag Lake 11,500', Mono Co., August 3, 1975.



Cercyonis oetus oetus female.

Bodie Rd. W. of Bodie (E. of Hwy. 395), Mono Co., August 9, 1998.



Neominois ridingsii pallidus male.
South Fork of Bishop Creek 8000', Inyo Co., June 23, 1986.



Neominois ridingsii pallidus female.
South Fork of Bishop Creek 8000', Inyo Co., June 23, 1986.



Oeneis chryxus stanislaus male.
Ridge SE of Sonora Pass 11,000', Mono Co., July 7, 1987.



Oeneis chryxus stanislaus female.
Ridge SE of Sonora Pass 11,000', Mono Co., July 7, 1987.



Oeneis chryxus ivallda male.
SE above Saddlebag Lake 11,000', Mono Co., July 25, 1981.



Oeneis chryxus ivallda female.
E. above Saddlebag Lake 10,500', Mono Co., August 8, 1975.



Danaidae

Danaus plexippus male.
Whitney Portal, W. of Lone Pine,
Inyo Co., September 10, 2005.



Danaus plexippus female.
Upper Kern River, Chico Flat,
Tulare Co., November 14, 2002.



Danaus gilippus thersippus male.
Chimney Peak Rd. N. of Hwy. 178, Kern Co., October 6, 2001.
Rare stray or transient in region.



Danaus gilippus thersippus female.
Lake Isabella below Auxiliary Dam, Kern Co., September 1, 2003.



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