

DOWNLOAD PDF A FIELD GUIDE TO BUTTERFLIES OF THE GREATER YELLOWSTONE ECOSYSTEM

Chapter 1 : A Field Guide to Butterflies of the Greater Yellowstone Ecosystem

Yellowstone and Grand Teton National Parks, while mostly noted for grizzly bears, elk, moose, and other large mammals, also host a high species diversity of butterflies, owing to the ecosystem's vast area of pristine habitat.

Observations spanning multiple months or years are excluded from time charts Migration Non-migratory. Habitat Varies with subspecies. To high elevation in montane forest openings and meadows, stream banks, exposed rocky ridges, pumice flats Ferris and Brown ; Scott ; Pyle ; James and Nunnallee Forest openings and exposed rocky ridges in the Greater Yellowstone Ecosystem Debinski and Pritchard ; montane wet meadows and above treeline in alpine terrain in Glacier National Park Debinski Reproductive Characteristics Females lay eggs singly on or near host plants. Eggs hatch in about 15 days depending on temperature , larvae diapause overwinter as L1 instars. L1 emerge from diapause in spring and reach L2 in 8 days, another 34 days to pupate, an additional 12 days to eclose emerge from pupae. Most larval feeding is nocturnal. Larvae are solitary, do not build nests but seek refuge as L1 in curled leaves and dried seedpods; mature larvae silk together leaves as pupation tents close to the ground, many pupae fall to the ground Scott ; James and Nunnallee Males patrol throughout the day low to the ground in shaded open spaces including roads or hilltops as they seek females Scott b, References Literature Cited AboveLegend: Butterflies of Glacier National Park, Montana. A field guide to the butterflies of the Greater Yellowstone Ecosystem. Butterflies of the Rocky Mountains. Life histories of Cascadia butterflies. Oregon State University Press. Checklist of Montana Butterflies Rhopalocera. A field guide to western butterflies. Houghton Mifflin Company, Boston, Massachusetts. The butterflies of Cascadia: Seattle Audubon Society, Seattle, Washington. Mate-locating behavior of western North American butterflies. Journal of Research on the Lepidoptera The butterflies of North America: Stanford University Press, Stanford, California. Lepidoptera of North America Flower visitation by Colorado butterflies 40, records with a review of the literature on pollination of Colorado plants and butterfly attraction Lepidoptera: Contributions of the C. Gillette Museum of Arthropod Diversity. Atlas of western USA butterflies: Denver and Fort Collins, Colorado pp. Caterpillars in the field and garden: The Butterflies of Canada. University of Toronto Press.

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Chapter 2 : Great Basin Fritillary - Montana Field Guide

Field Guide to Butterflies of the Greater Yellowstone Ecosystem by Diane M. Debinski, James Pritchard Yellowstone and Grand Teton National Parks, while mostly noted for grizzly bears, elk, moose, and other large mammals, also host a high species diversity of butterflies, owing to the ecosystem's vast area of pristine habitat.

Our Guides Wild Things of Wyoming understands that the quality of your experience depends largely on the quality of your guide. This is why all of our guides are highly qualified local naturalists who have a deep connection to the Greater Yellowstone Ecosystem. Colin Boeh Colin spent his youth exploring the woodlands of western Pennsylvania. His enduring passion for the natural world led him to work as a wildlife manager at four national parks before finally settling in the beautiful Jackson Hole area where he has been guiding for the last five years. His excitement and passion for all the inhabitants of the Greater Yellowstone Ecosystem, from butterflies to bison, is infectious. John Stephenson John grew up fishing, hiking and backpacking in the vast forests of Michigan, acquiring a passion for wild spaces at an early age. After college, and a stint with the US Army, He embarked on a life of various business ventures around the world. The call of the mountains eventually drew him to Wyoming, landing in the Greater Yellowstone Ecosystem. In the years since, John has developed a love of facilitating meaningful and educational outdoor experiences. For the past 5 years, he has worked as an interpretive guide, fishing guide, and hiking guide. When not guiding, John is typically back outside following his passion for photography, hiking, fishing, cross-country skiing, kayaking, horseback riding, and exploring wilderness areas all over the country. Roslyn Moynihan Rosalyn grew up spending much of her time exploring outdoors, catching frogs, and riding her horse in the Appalachian valley of Maryland. She spent two summers of her college years in Montana, where she fell in love with the Rockies. Rosalyn loves to hike, raft, ski, swing dance, and play ultimate frisbee. Roslyn has an undying quest for knowledge since arriving in Jackson Hole and is eager to share this passion with our guests. Lucas Ayoub Lucas living philosophy, the Renaissance is not dead. Passionate about a number of subjects and wearer of many hats, he grew up playing in his backyard the national forest. Early experiences with moose and bears, whales and puffins has lead to a lifelong pursuit of developing his understanding of the natural world around him. Sharing his knowledge as a storyteller, his creative knack for making a fun educational environment is one of the hats he enjoys to wear. When he is not guiding, you can find him backcountry skiing or navigating the high seas.

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Chapter 3 : Hayden's Ringlet - Montana Field Guide

A Field Guide to Butterflies of the Greater Yellowstone Ecosystem.. [Diane M Debinski; James Pritchard] -- This book provides basic information on butterfly anatomy and natural history, as well as the proper way to catch and release butterflies-though with a stern reminder that netting butterflies is not.

Observations spanning multiple months or years are excluded from time charts Migration Non-migratory. In Greater Yellowstone Ecosystem the bulk of the global range , reported predominantly in hydric and mesic meadows less so in xeric meadows , open forest, and trailsides Debinski and Pritchard ; Debinski et al. Food Habits Little information. Larval food plants include grasses, but grass species apparently not recorded Ferris and Brown ; Opler and Wright ; Glassberg ; Debinski and Pritchard Adults feed on flower nectar, including Achillea, Collomia, and Senecio Scott , ; Debinski et al. Reproductive Characteristics Little information. Oviposition probably on grasses, eggs likely laid singly on undersides of blades, and probably hibernates overwinters as larvae, as is the case with C. Males patrol in search of females Scott References Literature Cited AboveLegend: A field guide to the butterflies of the Greater Yellowstone Ecosystem. Gradient-based habitat affinities predict species vulnerability to drought. Butterflies of the Rocky Mountains. Checklist of Montana Butterflies Rhopalocera. A field guide to western butterflies. Houghton Mifflin Company, Boston, Massachusetts. The butterflies of North America: Stanford University Press, Stanford, California. Hostplant records for butterflies and skippers mostly from Colorado , with new life histories and notes on oviposition, immatures, and ecology. Papilio new series 6. Lepidoptera of North America Flower visitation by Colorado butterflies 40, records with a review of the literature on pollination of Colorado plants and butterfly attraction Lepidoptera: Contributions of the C. Gillette Museum of Arthropod Diversity. Atlas of western USA butterflies: Denver and Fort Collins, Colorado pp. Caterpillars in the field and garden:

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Chapter 5 : Our Guides " wild things of wyoming

Lees "A Field Guide to Butterflies of the Greater Yellowstone Ecosystem" door Diane M. Debinski met Rakuten Kobo. Yellowstone and Grand Teton National Parks, while mostly noted for grizzly bears, elk, moose, and other large mammals, a.

Chapter 6 : butterflies of grand teton yellowstone national parks | Download eBook PDF/EPUB

Yellowstone and Grand Teton nationwide Parks, whereas typically famous for grizzly bears, elk, moose, and different huge mammals, additionally host a excessive species variety of butterflies, because of the ecosystem's colossal zone of pristine habitat. a few of the approximately a hundred and twenty butterflies defined is also came across in other places within the Northern Rockies, making.