



Alaska Natural Heritage Program

Conservation Status Report

Papilio zelicaon – Lucas, 1852

Common Name: Anise Swallowtail

ELCODE: IILEP94090

Taxonomic Serial No.: 777698

Synonyms:

Taxonomy Notes: NatureServe concept reference: Opler & Warren (2002).

Report last updated – 16 May 2017

Conservation Status

G5 SU

ASRS: not yet ranked

Occurrences, Range

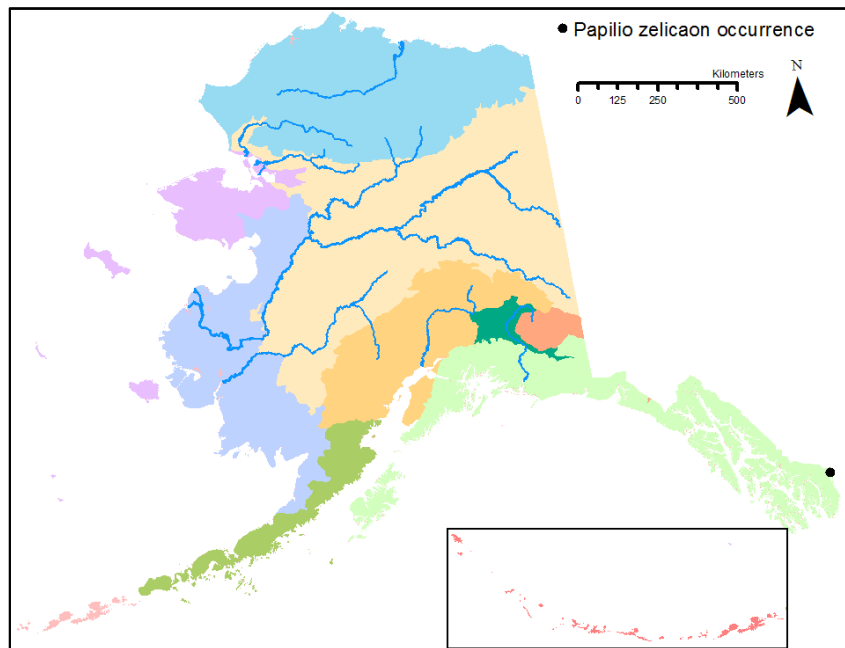
Number of Occurrences:

number of museum records:
1 (UAM 2017), number of
EOs: 1

AK Range Extent: N/A (only
1 occurrence record),

Occupancy 4 km² grid cells:
1

Nowacki Ecoregions: This
species is only known from a
single collection in Hyder in
southern tip of southeastern
Alaska (Philip & Ferris
2016); in the Coastal
Rainforest ecoregion.



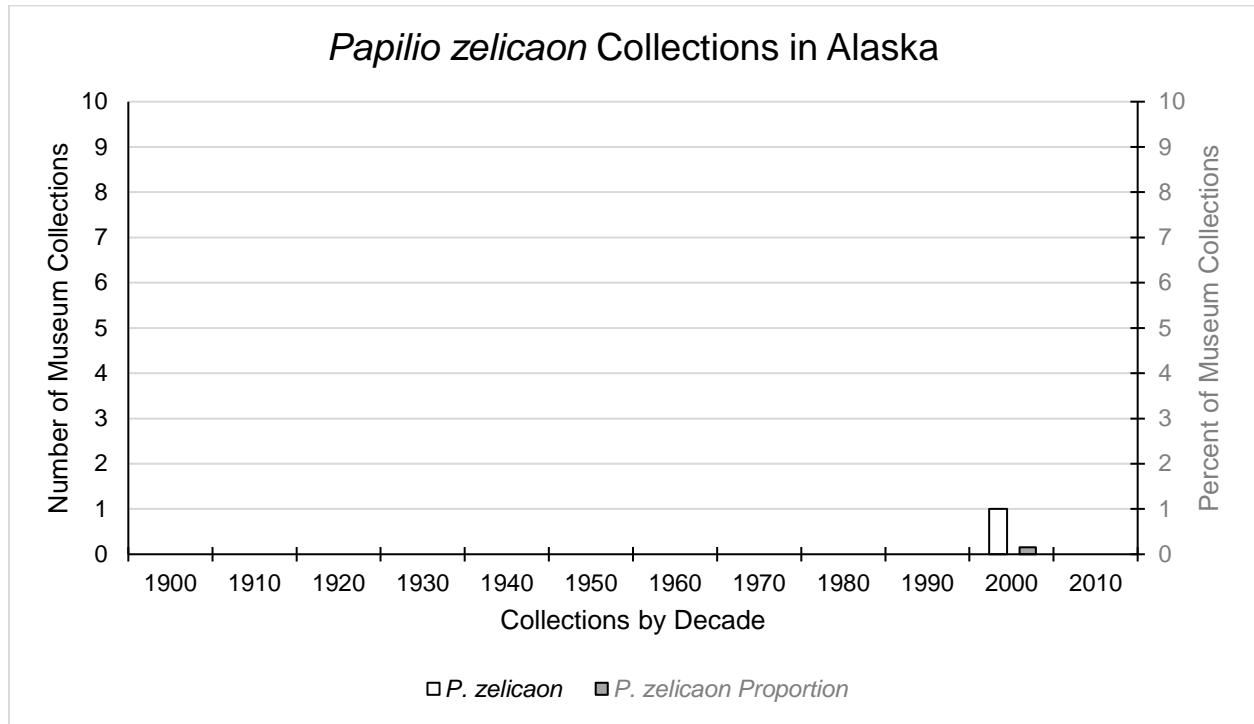
North American Distribution: Alaska-British Columbia border southeast to North Dakota and south through California and Arizona into northern Baja California (Scott 1986, BAMONA 2017).

We do not apply a state rarity rank to this taxon (SU). This taxon is known from a single collection that is right on the Alaska-British Columbia border, and this is a highly mobile species. It is not clear if populations are established in the state.

Trends

Short-term: Unknown. Collections are limited to one specimen collected in 2010.

Long-term: Unknown. Collections are limited to one specimen collected in 2010.



Threats

Scope and Severity: Most threats (including development, pollution, biological resource use, etc.) are anticipated to be negligible in scope and unknown in severity. Climate change and severe weather has the potential to affect populations; however we cannot anticipate the scope or severity of such impacts.

Comments:

Ecology

Habitat: Variety of habitats from sea level to treeline, including barren hills, mountains, gardens and fields, and roadsides (Scott 1986, Philip & Ferris 2016, BAMONA 2017).

Host Plants: Apiaceae, including *Heracleum* and *Angelica*.

Life History: Males perch or patrol for females on hilltops and ridges. Females lay single eggs on the host plants. Chrysalids hibernate.

Intrinsic Vulnerability: Unknown

Literature

BAMONA. 2017. Butterflies and Moths of North America. Attributes of *Papilio zelicaon*.
<http://www.butterfliesandmoths.org/species/Papilio-zelicaon>. Accessed 16 May 2017.

Opler, P. A., and A. D. Warren. 2002. Butterflies of North America. 2. Scientific Names List for Butterfly Species of North America, north of Mexico. C.P. Gillette Museum of Arthropod Diversity, Department of Bioagricultural Sciences and Pest Management, Colorado State University, Fort Collins, Colorado. 79 pp.

Philip, K. W. and C. D. Ferris. 2016. Butterflies of Alaska: A Field Guide. Second Edition. Alaska Entomological Society. Clifford D. Ferris. Laramie, Wyoming. 110 pp.

UAM Arctos Museum of the North. 2017. Date Accessed 24 April 2017.