



Alaska Natural Heritage Program

Conservation Status Report

Hylaeus basalis – (Smith, 1853)

Synonyms: *Prosopis basalis* (Smith, 1853)

Common Name: Basal yellow-faced bee

ELCODE: IIHYM95090

Taxonomic Serial No.: 655709

Report last updated – August 23, 2023

Conservation Status

G5 S2

Occurrences, Range

Number of Occurrences: 5 occurrences, 15 voucher records (University of Alaska Anchorage Entomology Collection; University of Alaska Museum Insect Collection)

AK Range Extent: 94,959 km²

Occupancy 4 km² grid cells: 5 occupied grids

Nowacki Ecoregions: Intermontane boreal, Alaska Range transition

North American Distribution: Alaska eastwards across Canada (Figure 1) from British Columbia to Newfoundland, western United States, across the northern plains to New York and New England (Ascher and Pickering 2023).

Ecology

Habitat: Occurs in a variety of habitat types in Alaska including steppe, riverbank, dry meadows, open forest, logged forests, and road sides.

Host Plants: *Bupleurum americanum*, *Solidago canadensis*, *Spiraea stevenii*

Life History: *Hylaeus* species are reported to nest in pithy stems of shrubs, but may also nest in abandoned cavities made by other bees and insects (Scott 1994). They are solitary bees with each female tending her own nest.

Trends

Short-term: N/A, insufficient data

Long-term: N/A, insufficient data

Threats

Scope and Severity: Overall, threat scope and severity are unknown. More survey efforts are needed for this species.

References

Ascher J.S. and J. Pickering. 2023. Discover Life bee species guide and world checklist (Hymenoptera: Apoidea: Anthophila). <https://www.discoverlife.org/> (accessed August 23, 2023)

Global Biodiversity Information Facility. <https://www.gbif.org>. GBIF occurrence download <https://doi.org/10.15468/dl.qdbe6u> (accessed April 20, 2021)

Integrated Taxonomic Information System (ITIS). Available online: <https://www.itis.gov> (accessed August 23, 2023)

NatureServe Explorer. Available online: <https://explorer.natureserve.org/> (accessed August 23, 2023)

Scott, V.L. 1994. Phenology and trap selection of three species of *Hylaeus* (Hymenoptera: Colletidae) in upper Michigan. The Great Lakes Entomologist 27:39-47.

University of Alaska Museum Insect Collection. <http://dx.doi.org/doi:10.7299/X75D8S0H> (records accessed March 8, 2023)

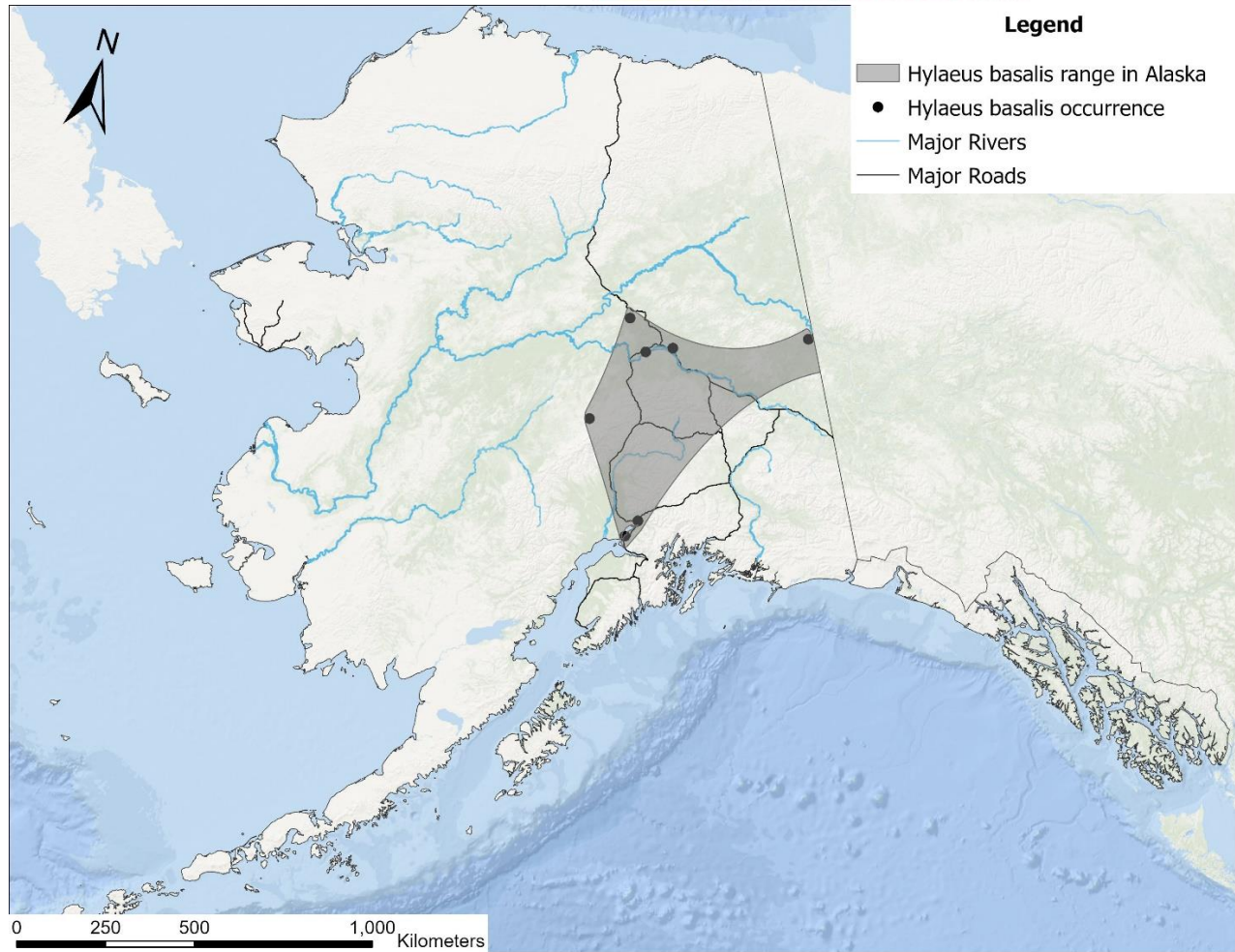


Figure 1 Range and occurrence of *Hylaeus basalis* in Alaska

Photo Reference



Figure 2 © Copyright Laurence Packer 2014