Alaska Natural Heritage Program
Conservation Status Report

Bombus flavidus Eversmann, 1852

Common Name: Fernald’s Cuckoo Bumble Bee

| ELCODE: IIHYM24370 | Taxonomic Serial No.: 714801 |

Synonyms: Psithyrus fernaldae Franklin, 1911; Bombus fernaldae - Franklin, 1911

Taxonomy Notes:

Report last updated – June 12, 2017

Conservation Status

| G5 S4 | ASRS: not yet ranked |

Occurrences, Range

Number of Occurrences: 59; number of museum records: 249 (University of Alaska Museum Insect Collection, Illinois Natural History Survey, Koch et al. 2015, American Museum of Natural History)

AK Range Extent: 871,996 km²; 4-km² grid cells: 62; In Alaska found from Brooks Range south to Interior, Alaska Range Transition and Coastal Rainforests. Also found on Kodiak Island and few occurrences west to Alaska Peninsula and YK Delta.

Trends

Trends are based on museum voucher collections of all *Bombus* species. Short-term trends are focus the past two decades (2000’s and 2010s), whereas long-term trends are based on all years. Data originate from museum voucher collections only and are summarized by decade. White bars indicate the number of voucher collections for the species. Grey bars indicate the percent of *Bombus flavidus* to all *Bombus* species.

*Short-term/Long-term:* The number of museum collections in the past two decades is within the average collected, however the proportion appears to be significantly less (>10% change).

Threats

*Scope and Severity:* Unknown.

*Intrinsic Vulnerability:* Not intrinsically vulnerable. Found widespread in Alaska and associated with multiple floral resources.

Ecology

*Habitat:* Boreal Forests and tundra.

*Known Alaska Floral Resources:* *Achillea* spp., *Epilobium parviflorum*, *Heracleum* spp., *Trifolium repens* *

*denotes non-native species

*Nesting Behavior:* unknown

*Parasitism:* Social parasite of other *Bombus* species.
Ecological Integrity of Occurrences: Current and future Landscape Condition Models have occurrences intact with high ecological integrity.

Literature

GBIF.org (7th April 2017) GBIF Occurrence Download http://doi.org/10.15468/dl.nvc9vf
idigbio.org. (2017), 43395 records, accessed on 2017-03-01T21:39:42.991495, contributed by 10 Recordsets, Recordset identifiers:


Woodard, H. (Feb. 28, 2017). Personal communication, email of collection data.