

Alaska Natural Heritage Program

Conservation Status Report

Bombus centralis Cresson, 1864

Common Name: Central Bumble Bee

ELCODE: IIHYM24100	Taxonomic Serial No.: 714793
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Synonyms: *Pyrobombus centralis* Cresson, 1864

Taxonomy Notes:

Report last updated – November 5, 2020

Conservation Status

G5 SNA

Occurrences, Range

Number of Occurrences: Specimens identified as "*B. centralis*" were misidentified *B. flavifrons* and the presence of this taxon in Alaska is doubtful (Sikes & Rykken 2020).

AK Range Extent: N/A.

North American Distribution: Common west of the Rocky Mountains to Sierra Mountains, south to Mexico, north to the Great Basin and Pacific Northwest and southern British Columbia. Scattered north to Alaska.

Trends

N/A.

Short-term: N/A.

Long-term: N/A.

Threats

Scope and Severity: N/A.

Comments:

Intrinsic Vulnerability: N/A.

Ecology

Habitat: meadows, grassy areas, boreal forest

Known Alaskan Floral Resources: N/A.

Nesting behavior: N/A.

Parasitism: N/A.

Ecological Integrity of Occurrences: N/A.

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:

<http://www.idigbio.org/portal/recordsets/a6eee223-cf3b-4079-8bb2-b77dad8cae9d> (43165 records); <http://www.idigbio.org/portal/recordsets/271a9ce9-c6d3-4b63-a722-cb0adc48863f> (56 records); <http://www.idigbio.org/portal/recordsets/4f436daa-01d5-4be6-b5c3-fdd255677536> (51 records); <http://www.idigbio.org/portal/recordsets/ea5f19e-ff6f-4d09-8b55-4a6810e77a6c> (37 records); <http://www.idigbio.org/portal/recordsets/5e893602-84ca-4c8c-bac1-99111c777582> (27 records); <http://www.idigbio.org/portal/recordsets/da67ebd9-52de-444d-b114-e23c03111ac6> (27 records); <http://www.idigbio.org/portal/recordsets/69037495-438d-4dba-bf0f-4878073766f1> (12 records); <http://www.idigbio.org/portal/recordsets/6539877e-82dc-485c-ad3d-038f383d5431> (9 records); <http://www.idigbio.org/portal/recordsets/db4bb0df-8539-4617-ab5f-eb118aa3126b> (6 records); <http://www.idigbio.org/portal/recordsets/fc628e53-5fdf-4436-9782-bf637d812b48> (5 records)

Koch JB, Cordes N, Solter LF, Griswold TL, Ikerd HW, Cameron SA, Lozier JD, Strange JP, Stewart I (2015): US *Bombus*, contemporary survey data of North American bumble bees (Hymenoptera, Apidae, *Bombus*) distributed in the United States. v2.4. ZooKeys. Dataset/Occurrence. <http://ipt.pensoft.net/resource?r=usbombus&v=2.4>

Pampell, R., Sikes, D., Pantoja, A., Holloway, P., Knight, C., Ranft, R. 2015. Bumble Bees (Hymenoptera: Apidae: *Bombus* spp.) of interior Alaska: Species composition, distribution, seasonal biology, and parasites. Biodiversity Data Journal 3: e5085. doi: 10.3897/BDJ.3.e5085.

Sikes, D., and J. Rykken. 2020. Update to the identification guide to female Alaskan bumble bees and a summary of recent changes to the Alaskan bumble bee fauna. AKES Newsletter 13: 31-38. doi:10.7299/X7GH9J8D.

Williams, P. H., Thorp, R. W., Richardson, L. L., & Colla, S. R. (2014). *Bumble bees of North America: an identification guide*. Princeton University Press.

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

University of Alaska Museum Insect Collection. <http://dx.doi.org/doi:10.7299/X75D8S0H>. (Records Accessed 24th February 2017).