

Alaska Natural Heritage Program

Conservation Status Report

Bombus suckleyi Greene, 1860

Common Name: Suckley's Cuckoo Bumble Bee

ELCODE: IHHYM24350	Taxonomic Serial No.: 714839
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Synonyms: *Psithyrus suckleyi* Greene, 1860

Report last updated – June 12, 2017

Conservation Status

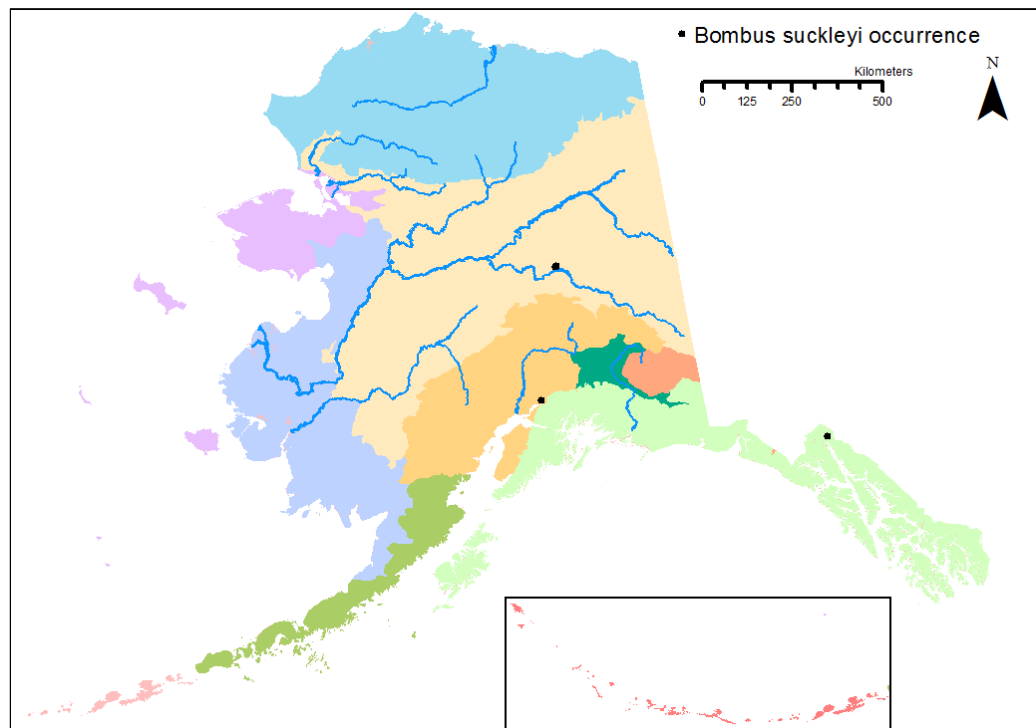
G1G3 S1	ASRS: not yet ranked
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Occurrences, Range

Number of Occurrences: 4; number of museum records: 8 (Illinois Natural History Survey, University of Alaska Museum Insect Collection.)

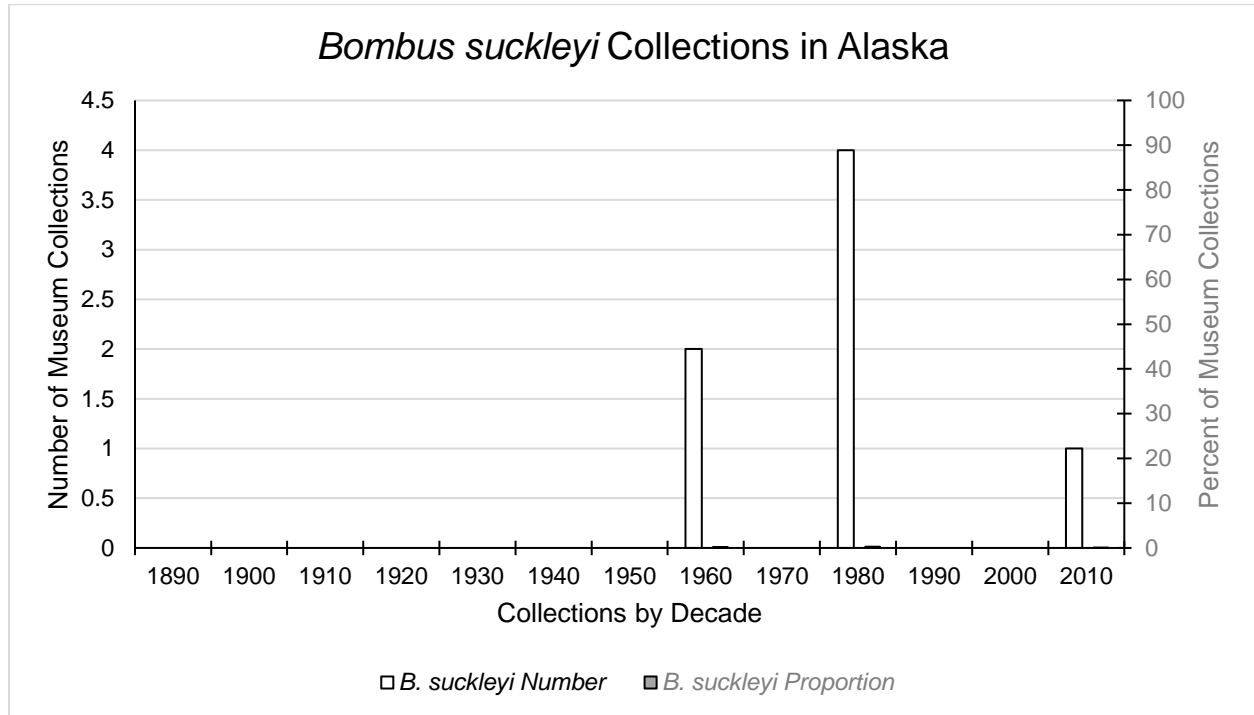
AK Range Extent: 149,718 km²; 4-km² grid cells: 4; Interior, Matanuska Valley, and Skagway.

North American Distribution: Alaska and British Columbia to Alberta, Saskatchewan, and Manitoba. Also in Pacific Northwest, Great Basin, and Rocky Mountains. Sporadic occurrences in Northwest Territories, and north eastern U.S.



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 suckleyi* to all *Bombus* species.



Short-term: Unknown, insufficient data.

Long-term: Unknown, insufficient data. Decline in parts of its range.

Threats

Scope and Severity: Unknown.

Ecology

Habitat: Unknown.

Known Alaskan Floral Associates: Unknown

Nesting behavior: Social parasite.

Parasitism: Social parasite of *B. occidentalis*.

Ecological Integrity of Occurrences: Occurrences occur in urban areas, typically associated with poor habitat connectivity, intactness, and condition.

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

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).