

Bombus fernaldae* (Fernald's Cuckoo Bumble Bee)*Priority 3 Species of Greatest Conservation Need (SGCN)****Class:** *Insecta* (Insects)**Order:** *Hymenoptera* (Ants, Bees, Wasps And Sawflies)**Family:** *Apidae* (Honey Bees, Bumble Bees, And Allies)**General comments:**

only 4 modern EOs and historic collections limited (3-5); species is very little known globally

Species Conservation Range Maps for Fernald's Cuckoo Bumble Bee:Town Map: [Bombus fernaldae_Towns.pdf](#)Subwatershed Map: [Bombus fernaldae_HUC12.pdf](#)**SGCN Priority Ranking - Designation Criteria:****Risk of Extirpation: NA****State Special Concern or NMFS Species of Concern:***Bombus fernaldae* is listed as a species of Special Concern in Maine.**Recent Significant Declines: NA****Regional Endemic: NA****High Regional Conservation Priority: NA****High Climate Change Vulnerability: NA****Understudied rare taxa:**

Recently documented or poorly surveyed rare species for which risk of extirpation is potentially high (e.g. few known occurrences) but insufficient data exist to conclusively assess distribution and status. *criteria only qualifies for Priority 3 level SGCN*

Notes: only 4 modern EOs and historic collections limited (3-5); species is very little known globally

Historical: NA**Culturally Significant: NA****Habitats Assigned to Fernald's Cuckoo Bumble Bee:****Formation Name Agricultural****Macrogroup Name Agricultural****Habitat System Name:** Cultivated Crops**Habitat System Name:** Pasture-Hay**Formation Name Boreal Upland Forest****Macrogroup Name Boreal Upland Forest****Habitat System Name:** Boreal Upland Forest Macrogroup - Unknown Habitat System **Notes:** *habitat generalist - various unknown types***Formation Name Developed****Macrogroup Name Urban-Suburban Built****Habitat System Name:** Residential - Low Intensity**Habitat System Name:** Residential - Rural-Sparse**Formation Name Grassland & Shrubland****Macrogroup Name Ruderal Shrubland & Grassland****Habitat System Name:** Ruderal Shrubland & Grassland Macrogroup - Unknown Habitat System **Notes:** *habitat generalist - various unknown types*

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No Stressors Currently Assigned to Fernald's Cuckoo Bumble Bee or other Priority 3 SGCN.

Species Level Conservation Actions Assigned to Fernald's Cuckoo Bumble Bee:

No Species Specific Conservation Actions Currently Assigned to Fernald's Cuckoo Bumble Bee or other Priority 3 SGCN.

Conservation Actions Associated with the Bumble Bees Guild:

Conservation Action	Category: Survey and Monitoring	Biological Priority: high	Type: on-going
Conduct statewide surveys to document species diversity, distribution and relative abundance.			

Stressor(s) Addressed By This Conservation Action

Lack of knowledge

Conservation Action	Category: Research	Biological Priority: high	Type: new
Produce a statewide atlas and conservation assessment			

Stressor(s) Addressed By This Conservation Action

Lack of knowledge

Conservation Action	Category: Public Outreach	Biological Priority: moderate	Type: new
Develop and implement outreach materials to raise public awareness of native pollinator ecology, threats and conservation needs, and to encourage use of Integrated Pest Management practices.			

Stressor(s) Addressed By This Conservation Action

Agricultural and Forestry Effluents

Broad Taxonomic Group Conservation Actions:

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.