

***Bombus citrinus* (Lemon 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:**

4 modern occurrences documented in ME; historic collections limited (9-10); believed to be globally secure but recent declines reported in some parts of its range; species is an obligate nest parasite on two other *Bombus* spp., one of which is experiencing declines in some parts of range – making *citrinus* intrinsically vulnerable to decline

**Species Conservation Range Maps for Lemon Cuckoo Bumble Bee:**Town Map: [Bombus citrinus Towns.pdf](#)Subwatershed Map: [Bombus citrinus\\_HUC12.pdf](#)**SGCN Priority Ranking - Designation Criteria:****Risk of Extirpation: NA****State Special Concern or NMFS Species of Concern:***Bombus citrinus* 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\*

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**Historical: NA****Culturally Significant: NA****Habitats Assigned to Lemon 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

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No Stressors Currently Assigned to Lemon Cuckoo Bumble Bee or other Priority 3 SGCN.

**Species Level Conservation Actions Assigned to Lemon Cuckoo Bumble Bee:**

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

**Conservation Actions Associated with the Bumble Bees Guild:**

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

**Stressor(s) Addressed By This Conservation Action**

Lack of knowledge

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

**Stressor(s) Addressed By This Conservation Action**

Lack of knowledge

<b>Conservation Action</b>	<b>Category:</b> Public Outreach	<b>Biological Priority:</b> moderate	<b>Type:</b> 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.

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**Family:** *Apidae* (Honey Bees, Bumble Bees, And Allies)

*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.*