

## *Bombus sandersoni* (Sanderson's 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:

4-5 modern EOs, all from same vicinity; status likely stable with no known threats or habitat limitations, but some uncertainty due to lack of survey effort and fewer modern records than historic collections

#### Species Conservation Range Maps for Sanderson's Bumble Bee:

Town Map: [Bombus sandersoni\\_Towns.pdf](#)

Subwatershed Map: [Bombus sandersoni\\_HUC12.pdf](#)

#### SGCN Priority Ranking - Designation Criteria:

**Risk of Extirpation: NA**

**State Special Concern or NMFS Species of Concern:**

*Bombus sandersoni* 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: 4-5 modern EOs, all from same vicinity; status likely stable with no known threats or habitat limitations, but some uncertainty due to lack of survey effort and fewer modern records than historic collections

**Historical: NA**

**Culturally Significant: NA**

#### Habitats Assigned to Sanderson's Bumble Bee:

Formation Name	Boreal Upland Forest
Macrogroup Name	Boreal Upland Forest

Formation Name	Northeastern Upland Forest
Macrogroup Name	Central Oak-Pine
Macrogroup Name	Northern Hardwood & Conifer

#### Stressors Assigned to Sanderson's Bumble Bee:

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

#### Species Level Conservation Actions Assigned to Sanderson's Bumble Bee:

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

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

***Bombus sandersoni* (Sanderson's 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)

<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.

*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.*