



Barrens obligates

Of the 24 species we have identified that may require barrens habitats, the collection contains observations of 16 of them. (See Table 1)

The site with the highest diversity of these species (to date) is Pocomoke State Forest on the Delmarva Peninsula in Maryland. 204 specimens of 9 barrens obligate bee species were collected there. This site was the only site where *Perdita bradleyi*, *Lasioglossum arantium*, and *L. sopinci*, and *Osmia sandhouseae* were collected.

To date, there are 8 species we believe to be barrens obligates that have not been observed.

- *Andrena fulvipennis* may be at its northern edge of range in our region.
- *Andrena kalmiae* is rare.
- *Andrena rudbeckiae* has fewer observations in the Northeast than the Midwest.
- *Anthophora walshii* may have a small disjunct population in coastal New England, but the majority of the distribution appears to be in the Midwest.
- *Melissodes dentiventris* appears to be edge of range in the Northeast, with stronger observations in the Southeast and Midwest.
- *Lasioglossum raleighense* is a rare bee with more observations in the Southeast.
- *Macropis nuda* - this not a rare bee, nor an early season bee - we don't know why we haven't observed it.

Family	Genus	Scientific Name	Number of observations
		<i>Andrena braccata</i>	1
		<i>Andrena carolina</i>	1
Andrenidae	Andrena	<i>Andrena fulvipennis</i>	0
		<i>Andrena kalmiae</i>	0
		<i>Andrena rudbeckiae</i>	0
	Perdita	<i>Perdita bradleyi</i>	3
	Protandrena	<i>Protandrena abdominalis</i>	2
Apidae	Anthophora	<i>Anthophora walshii</i>	0
	Melissodes	<i>Melissodes dentiventris</i>	0
Colletidae	Colletes	<i>Colletes solidaginis</i>	1
	Agapostemon	<i>Agapostemon splendens</i>	5
		<i>Lasioglossum arantium</i>	4
		<i>Lasioglossum ellisiae</i>	1
		<i>Lasioglossum floridanum</i>	121
		<i>Lasioglossum georgeickworti</i>	9
		<i>Lasioglossum katherineae</i>	8
Halictidae	Lasioglossum	<i>Lasioglossum leucocomum</i>	0
		<i>Lasioglossum pilosum</i>	154
		<i>Lasioglossum raleighense</i>	0
		<i>Lasioglossum sopinci</i>	1
		<i>Lasioglossum tegulare</i>	177
		<i>Lasioglossum vierecki</i>	212
Megachilidae	Osmia	<i>Osmia sandhouseae</i>	1
Melittidae	Macropis	<i>Macropis nuda</i>	0