

Bees of the Big Thicket National Preserve Phase II: Checklist

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Species (127 total) and numbers of specimens of bees collected at sites in the Big Thicket National Preserve from surveys made 2017/2018/2019 (Undetermined morphospecies are indicated by “sp. #” and contribute to the total number of species recognized. “Sp.” and “spp.” indicate unidentified specimens that do not contribute to the total number of species recognized. Species new for the preserve (94 total) are indicated with “*,” species new for the state are indicated with “**” (2 total).

Family	Genus	Species	Pitcher Plant Trail (PPT)	Near Headquarters (HQ)	Sand Loop (SL-1)	FM 1493 (SL-2)	Other sites	2017 Total	2018 Total	2019 Total
Andrenidae	Andrena	cressonii*	1/0/1				0/0/1	1		2
Andrenidae	Andrena	dolomellea*				0/0/1		0		1
Andrenidae	Andrena	forbesii*	0/0/2					0		2
Andrenidae	Andrena	fulvipennis*		1/0/0		4/0/2		5		2
Andrenidae	Andrena	gardineri*			1/0/0			1		0
Andrenidae	Andrena	hippotes*					0/0/3	0		3
Andrenidae	Andrena	ilicis*					0/0/10	0		10
Andrenidae	Andrena	imitatrix*	0/0/1		1/0/0			1		1
Andrenidae	Andrena	miserabilis*			0/0/2	0/0/1		0		3
Andrenidae	Andrena	sp. 1 (rubi ?)					0/0/1	0		1
Andrenidae	Andrena	verecunda*		0/0/1				0		1
Andrenidae	Andrena	violae*	0/0/2		0/0/1			0		3
Andrenidae	Calliopsis	andreniformis*			0/0/1			0		1
Andrenidae	Perdita	bishoppi*	1/0/0	0/0/1	3/0/53	5/0/534		9		588
Andrenidae	Perdita	cambarella*			0/0/10	0/0/1		0		11
Andrenidae	Perdita	halictoides*				0/0/1		0		1
Andrenidae	Perdita	ignota*	1/0/0	4/0/1	3/0/0	8/0/8		16		9
Andrenidae	Perdita	obscurata*	0/0/1		74/0/244	0/0/44		74		289
Apidae	Anthophora	abrupta*	1/0/1		1/0/0	0/0/5		2		6
Apidae	Apis	mellifera	83/0/48	474/0/357	39/0/25	0/0/66	85/0/0	681		496
Apidae	Bombus	griseocollis*	1/0/2		1/0/0			2		2
Apidae	Bombus	impatiens	3/0/2	3/0/1	3/1/2	0/0/2	10/0/0	19	1	8
Apidae	Bombus	pensylvanicus	11/0/22	24/0/17	14/0/25	6/0/16	1/0/0	56		80
Apidae	Bombus	sp.	0/0/1					0		1
Apidae	Ceratina	calcarata*	0/0/1			21/0/11		21		12
Apidae	Ceratina	cockerelli*	1/0/5	4/0/7	8/3/2	2/3/3	1/0/1	16	6	18
Apidae	Ceratina	shinnersi*				0/0/1		0		1
Apidae	Ceratina	sp.			1/0/1	0/1/3		1	1	4
Apidae	Ceratina	strenua*	0/2/6		0/0/1	1/2/15		1	4	22
Apidae	Epeolus	ilicis*			0/0/2			0		2
Apidae	Epeolus	lectoides* [Reported as new in an early report; since then, an earlier record has been posted on GBIF in TAMU collection]			2/0/11	0/0/4		2		15
Apidae	Habropoda	laboriosa*	40/0/45	25/0/18	30/0/49	0/0/32		95		144

Apidae	Holcopasites	illinoiensis*			1/0/0			1		0
Apidae	Melissodes	agilis*		1/0/0				1		0
Apidae	Melissodes	bimaculata*	5/0/10		1/0/10	4/0/5		10		25
Apidae	Melissodes	communis	37/0/22	20/1/29	454/44/634	75/3/385	2/0/0	588	48	1070
Apidae	Melissodes	sp. 1 (comptoides ?)			0/0/1			0		1
Apidae	Melissodes	dentiventris*	2/0/0	5/0/0				7		0
Apidae	Melissodes	druriellus*				1/0/1		0		1
Apidae	Melissodes	sp. 1	1/0/0					1		0
Apidae	Melissodes	sp. 2			0/0/1			0		1
Apidae	Melissodes	tepaneca*	1/0/0		3/0/0			4		0
Apidae	Melitoma	taurea	4/0/3	0/0/1	13/0/0	2/0/5		19		9
Apidae	Nomada	sp. 1 (armatella ?)					0/0/3	0		3
Apidae	Nomada	rubicunda*			0/0/1		0/0/2	0		3
Apidae	Nomada	vincta **				1/0/1		0		1
Apidae	Peponapis	pruinosa*		0/0/1				0		1
Apidae	Ptilothrix	bombiformis	76/0/30	50/0/26	27/0/17	1/0/1	5/0/0	159		74
Apidae	Svastra	atripes*	3/0/2	6/0/11	5/1/10	2/0/1		16	1	24
Apidae	Svastra	compta*		1/0/0	1/0/0			2		0
Apidae	Tripeolus	lunatus*			0/0/14	1/0/1		0		15
Apidae	Tripeolus	simplex*	1/0/0		1/0/1			2		1
Apidae	Xylocopa	micans*		1/0/2			1/0/0	2		2
Apidae	Xylocopa	virginica	9/0/13	9/0/8	2/0/13	0/0/4	2/0/0	22		38
Colletidae	Colletes	inaequalis			0/0/1	0/0/2	0/0/2	0		5
Colletidae	Colletes	nudus*			0/0/1			0		1
Colletidae	Colletes	productus*			0/0/1			0		1
Colletidae	Colletes	thoracicus*	1/0/0		1/0/1	0/0/1		2		2
Colletidae	Hylaeus	affinis*	1/0/5	1/0/0		0/0/1		2		6
Colletidae	Hylaeus	confluens*		3/0/0				3		0
Colletidae	Hylaeus	floridanus*	2/0/1		0/2/1	1/0/1		2	2	3
Colletidae	Hylaeus	georgicus*				1/0/1		0		1
Halictidae	Agapostemon	splendens*	3/0/1		8/7/2	1/0/2	5/0/0	17	7	5
Halictidae	Agapostemon	texasus*			1/0/0			1		0
Halictidae	Agapostemon	sp. (texasus ?)	1/0/0	5/0/0	1/0/0		1/0/0	8		0
Halictidae	Augochlora	pura	0/0/1	1/0/0	0/0/1	0/1/0		1	1	2
Halictidae	Augochlorella	karankawa*			208/5/12	1/0/0		209	5	12
Halictidae	Augochloropsis	metallica	2/0/19	7/0/6	5/0/3	0/0/8	5/0/0	19		36
Halictidae	Augochloropsis	sumptuosa*	0/0/1		0/0/1	0/0/1		0		3
Halictidae	Halictus	ligatus*	1/0/1	1/0/2		2/0/0	1/0/0	5		3
Halictidae	Lasioglossum	apopkense*	29/4/188	4/0/6	170/5/209	4/18/117	21/0/1	228	27	521
Halictidae	Lasioglossum	batya*	0/0/3	0/0/3	14/0/3	9/3/3		23	3	12
Halictidae	Lasioglossum	birkmanni*	1/1/2		0/0/3	0/4/2	1/0/0	2	5	7
Halictidae	Lasioglossum	bruneri	24/28/96	25/1/5	56/11/13	5/7/23	17/0/0	127	47	137
Halictidae	Lasioglossum	callidum**	8/0/2	8/0/3		0/0/1		16		6
Halictidae	Lasioglossum	cinctipes*	1/0/2		8/0/6			9		8
Halictidae	Lasioglossum	coreopsis	46/5/55	37/4/41	10/1/12	0/0/9	4/0/1	97	10	118
Halictidae	Lasioglossum	creberrimum	17/0/18	19/0/18	4/0/8	0/0/5		40		49
Halictidae	Lasioglossum	disparile*	0/0/1	7/0/0	2/0/0			9		1
Halictidae	Lasioglossum	fedorensis*			18/0/16	9/0/94		27		110
Halictidae	Lasioglossum	floridanum*	10/0/3	1/0/4	182/1/58	15/4/56	2/0/0	210	5	121
Halictidae	Lasioglossum	illinoense	4/0/2	3/0/1	6/0/4	2/0/1		15		8
Halictidae	Lasioglossum	imitatum*		0/0/1			85/0/0	85		1
Halictidae	Lasioglossum	longifrons*		0/2/8				0	2	8
Halictidae	Lasioglossum	lustrans*			1/0/0			1		0
Halictidae	Lasioglossum	pectorale*	3/0/0					3		0
Halictidae	Lasioglossum	pruinatum*			4/0/0			4		0
Halictidae	Lasioglossum	reticulatum*	1/0/2					1		2
Halictidae	Lasioglossum	semicaeruleum*	0/0/1					0		1
Halictidae	Lasioglossum	spp.	0/0/45	6/0/24	50/0/11	0/0/21	2/0/0	58		101
Halictidae	Lasioglossum	tarponense*	0/1/0		4/0/2	7/8/1		11	9	3
Halictidae	Lasioglossum	tegulare	17/5/19	15/3/9	145/4/61	19/5/123	2/0/0	198	17	212
Halictidae	Lasioglossum	trigeminum	1/0/7	4/1/2		0/1/1	1/0/0	6	2	10
Halictidae	Lasioglossum	vierecki	5/5/0	1/0/0	202/5/58	46/44/52	0/0/2	254	54	112
Halictidae	Lasioglossum	weemsi	40/2/30	63/13/4	1/0/0	3/0/1	10/0/0	117	15	35
Halictidae	Nomia	nortoni*		1/0/0		0/0/1		1		1
Halictidae	Sphecodes	atlantis*	2/0/2		0/0/1	0/0/5		2		8
Halictidae	Sphecodes	brachycephalus*	0/0/1		47/0/70	0/0/3		47		74

Halictidae	Sphecodes	sp. 1				0/0/1		0		1
Megachilidae	Anthidiellum	notatum*	2/0/1	0/0/1	3/2/2	0/3/1		5	5	5
Megachilidae	Coelioxys	immaculatus*			2/0/0			2		0
Megachilidae	Coelioxys	mexicanus*	1/0/0					1		0
Megachilidae	Coelioxys	octodentatus*				0/0/1		0		1
Megachilidae	Coelioxys	sayi*			1/0/0			1		0
Megachilidae	Dianthidium	curvatum		2/0/0	0/0/2	0/1/3	1/0/0	3	1	5
Megachilidae	Heriades	carinata		1/0/0				1		0
Megachilidae	Hoplitis	pilosifrons*	0/0/1					0		1
Megachilidae	Hoplitis	simplex*					0/0/4	0		4
Megachilidae	Hoplitis	truncata	1/0/1	0/0/1	2/0/0			3		2
Megachilidae	Megachile	albitarsis*	0/0/1	1/0/1		0/2/0	2/2/0	3	4	2
Megachilidae	Megachile	deflexa*			1/0/0			1		0
Megachilidae	Megachile	frugalis*	0/0/2		1/0/4			1		6
Megachilidae	Megachile	georgica	7/0/19	27/0/32	29/4/39	0/3/24	2/2/0	65	9	114
Megachilidae	Megachile	lippiae*			1/1/0			1	1	0
Megachilidae	Megachile	melanophaea*			1/0/0			1		0
Megachilidae	Megachile	mendica*	2/0/4	8/0/2	10/0/6	0/0/4	5/0/0	25		16
Megachilidae	Megachile	mucida*	0/0/1		2/0/1	0/0/3		2		5
Megachilidae	Megachile	petulans*			0/0/1	0/0/1		0		2
Megachilidae	Megachile	polycaris*	1/0/0					1		0
Megachilidae	Megachile	pseudobrevis*	1/0/0	0/0/2	3/0/2	0/1/6		4	1	10
Megachilidae	Megachile	rugifrons*	0/0/1		0/0/7	0/0/1		0		9
Megachilidae	Megachile	texana*	1/0/0	1/0/1	50/0/6	1/1/5		53	1	12
Megachilidae	Megachile	xylocopoides	1/0/0		2/0/0	0/1/0	1/0/0	4	1	0
Megachilidae	Osmia	atriventris* [Reported as new in an early report; since then, an earlier record has been posted on GBIF in TAMU collection]	0/0/6		1/0/0	0/0/1	0/0/2	1		10
Megachilidae	Osmia	chalybea*	1/0/3	1/0/0	1/0/0		0/0/1	3		4
Megachilidae	Osmia	georgica*		0/0/1			0/0/1	0		2
Megachilidae	Osmia	juxta*	0/0/1					0		1
Megachilidae	Osmia	sandhouseae	2/0/17	1/0/3	2/0/0	1/0/0	0/0/4	6		34
Megachilidae	Osmia	sp. (coloradensis?)	0/0/1					0		1
Megachilidae	Osmia	texana	0/0/2	0/0/1	0/0/1			0		4
Megachilidae	Stelis	lateralis				0/0/1		0		1
Megachilidae	Stelis	louisae*		2/0/3				2		3