

**NATIVE BEES OF TEXAS COURSE FLOWER-VISITING INSECT SURVEY DATA SHEET 2019**

Fixed Route Survey 90 x 2 m curved path ID/counted flower visitors on flowers steady pace one direction 15 min

**BLUE TEAM** 2-year expert, instructor (students: S & J)

Start 2:15 End 2:30 p.m.

INSECT	BEE GROUP	COUNT (tally e.g. ### III)	SUM (e.g. 5)	TOTAL INSECT COUNTS
BEE Little or no hair on underside of abdomen  (pollen on leg hair or elsewhere)	Honey bee ( <i>Apis mellifera</i> )	### ### I	11	
	Bumble bee ( <i>Bombus</i> )	IIII	4	
	Large carpenter bee ( <i>Xylocopa virginica</i> )	### II	7	<i>Xylocopa</i> 8
	Large carpenter bee ( <i>Xylocopa micans</i> )	I	1	
	Hairy leg/Longhorn ( <i>Diadasia/Melissodes</i> )	III	3	
	Green sweat bee ( <i>Agapostemon</i> )		0	
	Striped sweat bee ( <i>Halictus</i> )		0	
	Tiny dark bee ( <i>Lasioglossum</i> Hal./ <i>Ceratina</i> Apid.)		0	
	Striped abdomen - miner		0	
	Striped abdomen - plasterer		0	
Brush of hair under abdomen carries pollen	Striped abdomen - oil-collector		0	
	Hairy belly bee / Striped leafcutter ( <i>Megachile</i> )	### III	8	
	Metallic hairy belly bee – mason ( <i>Osmia</i> )		0	
No hair	Cuckoo/parasitic bee		0	
	Unidentified native bee		0	
	6 Bee species, 5 Native bee species	BEE COUNT	34	34 Bees – 11 HB = 23 NB
NON-BEE	Flies ( <i>Bombyliid</i> )	IIII	4	
	Wasps (Mexican honey)	I	1	
	Butterflies/Moths (Skipper)	### I	6	
	3 species non-bee insects	NON-BEE COUNT	11	11 non-bees of 45 insects
	9 species flower-visiting insects	INSECT COUNT	45	34 bees of 45 insects

NATIVE BEES OF TEXAS COURSE FLOWER-VISITING INSECT SURVEY DATA SHEET 2019

Observer-Recorder Names: S & J (Blue team with 2-year expert)

Start 2:15 End 2:30 p.m.

INSECT	BEE GROUP	COUNT (tally e.g. IIII III)	SUM (e.g. 5)	TOTAL INSECT COUNTS
BEE Little or no hair on underside of abdomen  (pollen on leg hair or elsewhere)	Honey bee ( <i>Apis mellifera</i> )		0	
	Bumble bee	III III III II	17	
	Large carpenter bee		0	
	Hairy leg bee / Longhorn		0	
	Green sweat bee	II	2	
	Striped sweat bee		0	
	Tiny dark bee		0	
	Striped abdomen - miner		0	
Brush of hair under abdomen carries pollen	Striped abdomen - plasterer		0	
	Striped abdomen - oil-collector		0	
	Hairy belly bee / striped leafcutter		0	
	Metallic hairy belly bee		0	
No hair	Cuckoo bee / parasitic bee			
	Unidentified native bee	III III III III III III III III III III III III III III III III	88	Dropped
	3 Bee species, 3 Native bee species	BEE COUNT	107	0 HB, 107 NB
	Flies	I	1	
NON-BEE	Wasps	III	5	
	Butterflies/Moths		0	
	UFI		0	
	2 species non-bee insects	NON-BEE COUNT	6	6
	5 species flower-visiting insects	INSECT COUNT	113	

\*Students said: "they weren't honey bees, but we didn't know what they were" (category Unidentified native bees)