

CITIZEN SCIENCE MONITORING DATASHEET: NATIVE BEES

STEP 1—Photocopy or print copies of this datasheet in advance (www.xerces.org/csmdatasheets)

STEP 2—Site Details

SITE NAME: _____

TRANSECT: _____

MONITORING TIME*: _____

DATE: _____

*1 minute per 10' of transect

OBSERVER: _____

DATA RECORDER: _____

STEP 3—Site Conditions (Remember to note Observation End Time upon completion!)

OBSERVATION START TIME: _____ SHADE TEMP: _____ Wind: *(circle one)* Calm / light air / light breeze / gentle breeze OBSERVATION END TIME: _____
 °C / °F Sky: *(circle one)* Clear / partly cloudy / bright overcast

STEP 4—Monitoring

Set timer and hit start when ready. Note any floral visitors you see and identify to your confidence level. Pace the transect until the time is up.

FLORAL VISITOR CATEGORIES:

Bees:

- Honey bee
- Bumble bee
- Chap leg bee
- Medium dark bee
- Metallic green bee
- Striped sweat bee
- Tiny dark bee
- Striped hairy belly bee
- Metallic hairy belly bee
- Cuckoo bee

Non-bees:

- Butterfly
- Moth
- Beetle
- True bug
- Bird
- Fly
- Wasp
- Spider

OBSERVATIONS:

Important: Remember to look at a diversity of flowers, stand so that you do not cast a shadow, and only ID floral visitors to the level at which you are confident in your identification. In order to track floral attractiveness, tally individual floral visitors from the same species by floral association.

#	FLORAL VISITOR	DESCRIPTION (GENUS, COLOR, SIZE, ETC.)	# OBSERVED (TALLY)	FLORAL ASSOCIATION
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

STEP 4—Monitoring, *continued*

FLORAL VISITOR CATEGORIES:

Bees:

Honey bee	Striped sweat bee
Bumble bee	Tiny dark bee
Chap leg bee	Striped hairy belly bee
Medium dark bee	Metallic hairy belly bee
Metallic green bee	Cuckoo bee

Non-bees:

Butterfly	Fly
Moth	Wasp
Beetle	Spider
True bug	
Bird	

OBSERVATIONS, *continued*: (attach any Additional Monitoring Sheet(s) if necessary, available at: www.xerces.org/csmdatashets)

#	FLORAL VISITOR	DESCRIPTION (GENUS, COLOR, SIZE, ETC.)	# OBSERVED (TALLY)	FLORAL ASSOCIATION
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
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26				
27				
28				
29				
30				

STEP 5—Notes (include changes in weather or other pertinent details)

Example

CITIZEN SCIENCE MONITORING DATASHEET: NATIVE BEES

STEP 1—Photocopy or print copies of this datasheet in advance (www.xerces.org/csmdatasheets)

STEP 2—Site Details

SITE NAME: Government Island **TRANSECT:** Pollinator Planting Transect 2
MONITORING TIME*: 1 hour **DATE:** August 26, 2015
*1 minute per 10' of transect
OBSERVER: Mace Vaughan **DATA RECORDER:** Jillian Vento

STEP 3—Site Conditions (Remember to note Observation End Time upon completion!)

OBSERVATION START TIME: 9:43 am **SHADE TEMP:** 74 °C / (F) **Wind:** (circle one) Calm / light air / light breeze / gentle breeze **OBSERVATION END TIME:** 10:40 am
Sky: (circle one) Clear / partly cloudy / bright overcast

STEP 4—Monitoring

Set timer and hit start when ready. Note any floral visitors you see and identify to your confidence level. Pace the transect until the time is up.

FLORAL VISITOR CATEGORIES:

Bees:

- Honey bee
- Bumble bee
- Chap leg bee
- Medium dark bee
- Metallic green bee
- Striped sweat bee
- Tiny dark bee
- Striped hairy belly bee
- Metallic hairy belly bee
- Cuckoo bee

Non-bees:

- Butterfly
- Moth
- Beetle
- True bug
- Bird
- Fly
- Wasp
- Spider

OBSERVATIONS:

Important: Remember to look at a diversity of flowers, stand so that you do not cast a shadow, and only ID floral visitors to the level at which you are confident in your identification. In order to track floral attractiveness, tally individual floral visitors from the same species by floral association.

#	FLORAL VISITOR	DESCRIPTION (GENUS, COLOR, SIZE, ETC.)	TIMES OBSERVED (TALLY)	FLORAL ASSOCIATION
1	Bumble	Bombus vosnesenskii		Canada goldenrod
2	Honey			Canada goldenrod
3	Bumble	not sure what species		aster
4	Chap leg bee	Melissodes female		thistles (native)
5	Chap	very long antennae, male?		thistles (native)
6	STR-Hairy	hairs and pollen on under-side of Abd.		coneflower
7	Green bee	striped abdomen, green thorax		gumweed
8	Cuckoo	black w/ red abdomen		aster
9	Honey			aster
10	Bumble	Bombus nevadensis		gumweed
11	Red admiral			spirea
12	Hoverfly	large, yellow + black		unknown mustard (weed)
13	Bumble	Bombus vosnesenskii		spirea

Example

STEP 4—Monitoring, *continued*

FLORAL VISITOR CATEGORIES:

Bees:

- Honey bee
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- Tiny dark bee
- Striped hairy belly bee
- Metallic hairy belly bee
- Cuckoo bee

Non-bees:

- Butterfly
- Moth
- Beetle
- True bug
- Bird
- Fly
- Wasp
- Spider

OBSERVATIONS, *continued*: (attach any Additional Monitoring Sheet(s) if necessary, available at: www.xerces.org/csmdatashets)

#	FLORAL VISITOR	DESCRIPTION (GENUS, COLOR, SIZE, ETC.)	# OBSERVED (TALLY)	FLORAL ASSOCIATION
14				
15				
16				
17				
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STEP 5—Notes (include changes in weather or other pertinent details)

No changes in weather or site conditions during monitoring.
