

# Bee Sampling

Date: 8/26/22 Loc: Park @ Schofield Time: 2:44pm Obs: D. Gamon

Temp: 68°F Wind: 3.5-4.5 mph Weather: 100% overcast highland dry % in sun 100%

## I. Plants

% cover	Plant spp.	Given flower/inf	# in fl	Total flower	Note
780	Fragaria chiloensis	Ø			
1%	grass	Ø			
19%	Woodchips	Ø			

## II Bees

### A. Point count (1 min)

Note: cool + windy throughout survey  
Perhaps do not include this data  
(not many bees out at Fort Scott  
in these conditions)

Bees	#	Plant	Note
Ø			

### B. 0-5 min

Bee	#	Plant	Note
Ø			

### C. 5-10 min

Bee	#	Plant	Note
Ø			

Bee Sampling		#	
Plant	Wind	Bee	

Date:

Loc:	Time:	Obs:
Wind:	Weather:	% in Sun

Temp:

I. Plants

% cover	Plant spp.	fls in	Plant	Note

II Bees

4. Point count (1 min)

Bees	Plant	Note

II. Plants

Bee

#

Plant

Note

Plant spp.

fls in

% cover

% cover

Loc:	Time:	Obs:
Wind:	Weather:	% in Sun

Temp:

Date:

C. 5-10 min

Bee	Plant	Note

# Bee Sampling

Date: 4/26/22 Loc: Stacey/Oppa Time: 1:52 pm Obs: D. Gamoso

Temp: 68°F Wind: 1.5-2.5 mph Weath: 100% overcast, 100% in Sun, high + dry

## I. Plants

% cover	Plant spp.	Avg Flower/inf	# inf	Total flower	Note
25%	Salvia rosmarinus	1	~320	1 x 320 = 320 fl	
30%	Oak leafy ~1"	0			
45%	Bare ground	0			

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
①			

### B. 0-5 min

Bee	#	Plant	Note
①			

### C. 5-10 min

Bee	#	Plant	Note
Hoverfly	1	Sal Ros	did not capture
Agis mellifera	1	Sal Ros	captured 2nd attempt



# Bee Sampling

Date: 8/26/22 Loc: 1221 Upton Time: 1:08pm Obs: DG

Temp: 68° Wind: 1.3-3.3 mph Weath: 100% overcast % in Sun: 100%  
gusts to 4.9 mph high dry

## I. Plants

% cover	Plant spp.	Avg Flower/inf	# in fl	Total Flower	Note
15%	Rose	0			
85%	Compost 3" thick	0			

## II Bees

Note: Felt a little cool + breezy

### A. Point count (1 min)

Bees	#	Plant	Note
0			

### B. 0-5 min

Bee	#	Plant	Note
0			

### C. 5-10 min

Bee	#	Plant	Note
Yellow jacket	1	Rose	no capture - buzzing around rose



# Bee Sampling

Butterfly  
Juglans

Date: 8/25/22 Loc: Peta St. Time: 2:59pm Obs: DG + JV

4 mph gusts to 9 mph

Temp: 68°F Wind: ↓

weath 75% % in sun 100%  
clouds high & dry

## I. Plants

% cover	Plant spp.	avg flower/inf	# inf	Total flower	Note
27%	Calandrinia grandiflora	1	22	22	
19%	Aeonium	0			
4%	Aloe	0			
3%	Agave	0			
3%	Geranium dissectum	1	35	35	
	Wood chips				

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
0			

### B. 0-5 min

Bee	#	Plant	Note
0			

### C. 5-10 min

Bee	#	Plant	Note
0			

# Bee Sampling

Date: 8/25/22 Loc: Tides, Genl Time: 4:01pm - 4:40pm Obs: 06 + 5 y  
 100% Tarnish

bring  
grid

Temp: 68°F Wind: 1.5-2.3 mph Weath: 80% high dry clouds  
 gusts to 5 mph % in Sun 100%

## I. Plants

% cover	Plant spp.	Avg Flow/inf	# inf	Total Flower	Note
22%	Lavender	$2+6+2+7+3 = 4$ fl/inf	53	$4 \times 53 = 212$ fl	
30%	Salvia rosmarinus	1	~1,200	~1,200	
20%	Pseudo-Gnaphalium luteolum			30	counted
20%	Dicentra	0			
48%	Bare ground				

## II. Bees

### A. Point count (1 min)

Note: also, 2 fiery  
skippers observed  
on Rosemary  
flowers

Note: bring  
grid

- also, saw 1 large dissim-type bee on Lavender

Bees	#	Plant	Notes
Fiery Skipper	1	Lavender	seen before

before  
sampling  
begins

### B. 0-5 min

Bee

#

Plant

Notes

Small dark bee	1	Sal ros	escaped!

### C. 5-10 min

Bee

#

Plant

Notes




# Bee Sampling

Date: 8/20/22 Loc: 748A Portola

Time: 4:03 pm - 4:29 pm

Obs: D Gamoso

Temp: 71°F Wind: 1.5-2.5 mph weath Sunny! % in Sun 100%  
4 gusts to 5 mph 5% whippy thin clouds

## I. Plants

% cover	Plant spp.	Aveq flower/inf	# in fl	Total flower	Note
10%	Fuschia	1	230-250 = 480	480 fl	
17	Geranium dissectum	1	2	2 fl	
17	Rumex acetosella	$21+10+21+15+10 = 15.4$ fl/inf	110	1,694 fl	
15	Grass	0			
87%	thick woodchips	0			

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
0			

### B. 0-5 min

Bee	#	Plant	Note
0			

### C. 5-10 min

Bee	#	Plant	Note
0			

|||||

# Bee Sampling

Date: 8/20/22 Loc: Simonds/Ruger Time: 3:28pm - 3:51 Obs: D. Gamero

Temp: 71°F Wind: 1-2 mph weath Sunny! 2% cloud % in sun 100%.

## I. Plants

% cover	Plant spp.	avg flower/inf	# inf	Total Flower	Note
12.5%	Agapanthus	0			
10%	Iris Sibirica	1			
3%	dead grass patch	1			
5%	thin layer decaying wood chip	1			
77%	Bare Ground	0			

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
1			

### B. 0-5 min

Bee	#	Plant	Note
1			

### 5-10 min

Bee	#	Plant	Note
1			

# Bee Sampling

Date: 8/20/22 Loc: Arguello gate Time: 2:46 pm Bio Obs: D. Gault

1350  
x 6.5  
-----  
8875  
10250

Temp: 71°F Wind: 1.5-3.0 mph (gust up to 6 mph) weath Sunny! 5% clouds, wispy, light % in sun 100%

## I. Plants

% cover	Plant spp.	Avg. flower/inf	# inf	Total flower	Note
30%	Agave	$\frac{4+9+6+3+7}{5} = 6.8 \frac{fl}{inf}$	150	150 inf x 6.8 fl = 1025	all curled (late stage)
10%	Grevillea	0	—	—	—
>20.0%	Cistus	0	—	—	—
0.1%	Euphorbia repens	1	5	5 fl	—
70.0%	Grass	0	—	—	—
0.1%	Oxalis	0	—	—	—
0.1	Melilotus (Sweet Indica flower)	6 $\frac{fl}{inf}$	2	12 fl	—
69.7%	Wood chips	0	—	—	—

Note: one small <sup>dull</sup> black & "house fly" (not seen) landed on but closed Grevillea flower during our 6-8 min.

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Notes
House fly	1	agave leaf	landed on leaf, small, yellow + black

### B. 0-5 min

Bee	#	Plant	Notes
0			

### C. 5-10 min

Bee	#	Plant	Notes
0			

# Bee Sampling

Date: 8/20/22 Loc: Wyman@ Brown Time: 1:42 pm - 2:30 pm <sup>(lots of loud gusts)</sup> Obs: D. Gamso

Temp: 71°F Wind: 3.5-4.5 mph gusts to 6 mph weath: 60% cloudy high + wispy clouds 40% blue in sun 100% sun

## I. Plants

% cover	Plant spp.	avg flower/inf	# inf	Total flower	Note
10%	Acacia melanoxylon	0			
26%	Hot poker	0			
5%	Fragaria chilensis	0			
20.0%	Dicandra	0			
20%	grass + leaf litter	0			
1%	grass	0			
44%	bare ground	0			

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
0			

Note: in addition to captured bee, see one during survey but not able to capture busy capturing 1st, two other individuals; one seems to have white or white "chaps" hairs on rear legs, also hover + crawl along ground (which is coarse + crumbly + loose) - looking for nesting sites?

### B. 0-5 min

Bee	#	Plant	Note
0			

### C. 5-10 min

Bee	#	Plant	Note
small bee	1	hover low to bare ground	captured

looks like white pollen on hind legs as well as under abdomen.

# Bee Sampling

Date: 8/12/22 Loc: Sherron Taylor Time: 10:10 AM - 10:38 AM Obs: P. Gamel

Temp: 64°F Wind: 1 mph weath Sunny! % in sun ~~80%~~ 75%  
25% cloud

## I. Plants

% cover	Plant spp.	avg flower/inf	# inf	Total flower	Note
15%	Grevillea	$3+9+6+3+8 = 29$	250	$250 \times 29 = 7250$	1450 fl
25%	New Zealand flax	0			
5%	Aloe	0			
2%	Yellow? hot poker	0			
5%	Woodchip	0			
20.1%	Euphorbia polios	0			
1%	Geranium robertianum	0			

Note: the yellow/black wasp came to visit Grevillea flower again

## II Bees

### A. Point count (1 min)

st during 0-5 min (once), and 5-10 min (once) but I did not catch.

Bees	#	Plant	Note
Yellow/black wasp	1	Grevillea	visit flower, then yellow jacket?

### B. 0-5 min

Bee	#	Plant	Note

### C. 5-10 min

Bee	#	Plant	Note

# Bee Sampling

Date:      Loc:      Time:      Obs: \_\_\_\_\_

Temp:      Wind:      weath:      % in sun:

## I. Plants

<u>% cover</u>	<u>Plant spp.</u>	<u>aveg flower/intl</u>	<u># intl</u>	<u>Total flower</u>	<u>Note</u>

## II Bees

### A. Point count (1 min)

<u>Bees</u>	<u>#</u>	<u>Plant</u>	<u>Note</u>

### B. 0-5 min

<u>Bee</u>	<u>#</u>	<u>Plant</u>	<u>Note</u>

### C. 5-10 min

<u>Bee</u>	<u>#</u>	<u>Plant</u>	<u>Note</u>

# Bee Sampling

Date: 8/11/22 Loc: W. Crissy Lincoln/cen drum Time: 4:50pm - 5:06pm Obs: D. Gamers

Temp: 70°F Wind: 1 mph weath Sunny! 1% in sun 100% 3% cloud

## I. Plants

% cover	Plant spp.	Avg flower/inf	# in fl	Total flower	Note
15%	Calandrinia grandiflora	0	0	0	3 closed flowers
15%	Globe	0	0	0	5
70%	Woodchips 4" thick	0	0	0	

Note: (speckled) under partial shade comes in 1st 5 min during survey, but still quite warm

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
0			

### B. 0-5 min

Bee	#	Plant	Note
0			

### C. 5-10 min

Bee	#	Plant	Note
0			

# Bee Sampling

Date: 8/11/22 Loc: 1418c Washington Time: 4:10pm - 4:29pm Obs: D. Camacho

Temp: 70°F Wind: 2.1 mph Weath: sunny 90% 100% in sun 100%  
thin clouds

5/4/4  
54

## I. Plants

% cover	Plant spp.	avg flower/inf	# inf	Total flower	Note
25%	Oenothera spp	$\frac{10+9+12+9+9}{5} = 10.8$	23	$10.8 \times 23 = 248$ fl	
1%	Pseudoglycyrrhiza lewisii	—			
1%	grass	—			
2%	thatch	—			
71%	bare sand	—			

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
0			

### B. 0-5 min

Bee	#	Plant	Note
0			

### C. 5-10 min

Bee	#	Plant	Note
0			



# Bee Sampling

Date: 8/10/22 Loc: Tides Gen'l Kennedy / Torrey Time: 5:23pm - 5:52 Obs: D. Gannon

Temp: 71°F Wind: 1-4.3mph Weath: Sunny! % in Sun 100% ☁ clouds

## I. Plants

% cover	Plant spp.	Avg. flower/inf	# inf	Total flower	Note
35%	Salvia rosmarinifolia	$8 + 3 + 12 + 7 + 11 = 39$	~500	500 x 39 = 19,500	
20%	Lavender	5	~90	90 x 5 = 450	
>1%	Pseudocapsanthus canescens	*	27	27	counted

note: see skipper visiting Lavender before stand survey

## II Bees

### A. Point count (1 min)

note: went up to Fisher Loop afterwards, wind up to 7 mph, watched Bicknells ~ 4 min; 2 bees of any type

Bees	#	Plant	Note
Apis mellifera	11	Sal. ros	

although less windy off tide overall

### B. 0-5 min

Bee	#	Plant	Note
Apis mellifera	1	Lavender	Captured release

### C. 5-10 min

Bee	#	Plant	Note
Apis mellifera	1	Sal. ros	Captured release
Apis mellifera	1	Sal. ros	"

# Bee Sampling

Date: 8/10/22 Loc: 1221 Upton Time: 4:43pm-4:58pm Obs: D. Gaudio

Temp: 71°F Wind: 1.5-2.8 mph Weather: Sunny, % in Sun 100%  
0% Cloud

## I. Plants

% cover	Plant spp.	avg flower/inf	# inf	Total Flower	Note
5%	Rose	1	3	3	
70.1%	Hypochaeris	0			
70.1%	Dichondra	0			
70.01	Plantago lanceolata	0			
70.01%	Grass	0			
95%	Fresh compost				

3" deep

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
0			

### B. 0-5 min

Bee	#	Plant	Note
0			

### C. 5-10 min

Bee	#	Plant	Note
0			

# Bee Sampling

Date: 8/9/22 Loc: 1295 Storey Time: 3:34 pm - 4:04 pm Obs: D. Gaudin

Temp: 70°F Wind: 5.5 mph weath Sunny! % in Sun 100%  
0% clouds

## I. Plants

% cover	Plant spp.	Avg flower/inf!	# inf!	Total Flower	Note
20%	Agapanthus <sup>purple</sup>	just counted each indiv!		40	
10%	Fuchsia	1	20	20	counted open only
1%	Campanula	1	6	6	
1%	grass	-	-	-	
3%	Wood chips	-	-	-	
3%	Unknown Thistle	0	-	-	
62%	Wood chips	-	-	-	

10/5

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
①			
↓			

### B. 0-5 min

Bee	#	Plant	Note
Bombus vosgesensis	1	Agapanthus	Probe into other plants

### C. 5-10 min

Bee	#	Plant	Note
①			

# Bee Sampling

Date:      Loc:      Time:      Obs: \_\_\_\_\_

Temp:      Wind:      weath:      % in Sun:

## I. Plants

<u>% cover</u>	<u>Plant spp.</u>	<u>aveq flower/int'l</u>	<u># in fl</u>	<u>Total flower</u>	<u>Note</u>

## II Bees

### A. Point count (1 min)

<u>Bees</u>	<u>#</u>	<u>Plant</u>	<u>Notes</u>

### B. 0-5 min

<u>Bee</u>	<u>#</u>	<u>Plant</u>	<u>Notes</u>

### C. 5-10 min

<u>Bee</u>	<u>#</u>	<u>Plant</u>	<u>Notes</u>

# Bee Sampling

Date: 8/9/22 Loc: 748A Portia Time: 12:59pm Obs: D Camoso

Temp: 69°F Wind: 1.5 mph weath Sunny! % in sun 100%.

Clouds

## I. Plants

% cover	Plant spp.	Aveg Flower/inf	# inf	Total flower	Note
20%	Fuschia	1	230	230	
1%	Geranium molle	1	15	15	
1%	Rumex acetosella	23.6	70	70 x 23.6 = 1,652	Hay
78%	Woodchips				
70%	Grass				

## II Bees *Bombus vosnesenskii*

### A. Point count (1 min)

Bees	#	Plant	Notes
Small black bee	1	Fuschia	visit flower
<i>Bombus vos.</i>	1	Fuschia	visit flower; yellow face

### B. 0-5 min

Bee	#	Plant	Notes
⊗			

### C. 5-10 min

Bee	#	Plant	Notes
⊗			

# Bee Sampling

Date: 8/9/22 Loc: Pac Heights Time: 12:03 <sup>12:18 PM</sup> Obs: D. Gannon  
Broadway/Lyon

Temp: 69°F Wind: 2.5-4 mph Weath: <sup>100%</sup> Sunny! % in sun 100%  
~~100%~~ Blue sky!

## I. Plants

% cover	Plant spp.	avg flower/infl	# infl	Total flower	Note
38%	Tea tree	0	—	—	Senesced
25%	dry grass	—	—	—	
45% <del>100%</del>	pine needle duff	—	—	—	

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Notes
0			

### B. 0-5 min

Bee	#	Plant	Notes
0			

### C. 5-10 min

Bee	#	Plant	Notes
0			

# Bee Sampling

Date: 8/8/22 Loc: Storey @ Appleton Time: 12:58pm - 1:30pm Obs: D. Gamosa

Temp: 70°F Wind: 3-6 mph weath Sunny! % in sun 100%  
 aveg felt like ~1.5-2.5 mph (mostly calm during actual survey)

## I. Plants

% cover	Plant spp.	aveg flower/inf!	# inf!	Total flower	Note
25%	Salvia rosmarinus	1	30	30 flowers	
25%	Oak leaf litter	0	-		
50%	bare ground	0	-		
0%					

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Note
0			

### B. 0-5 min

Bee	#	Plant	Note
0			

### C. 5-10 min

Bee	#	Plant	Note
Apis mellifera	1	Sal ros	captured + released

# Bee Sampling

Date: 8/9/22 Loc: Strawberry Island Time: 11:10 Am - 11:26 Am Obs: D. Gamble  
Park @ Schofield

Temp: ~~70~~ 69°F Wind: 2.5-3.4 mph Weath: Sunny! 1% in sun 90%, 3% clouds

## I. Plants

% cover	Plant spp.	aveg flower/int'l	# int'l	Total flower	Note
95%	Fragaria chiloensis	0			
1%	grass	0			
4%	Woodchips				

## II Bees

### A. Point count (1 min)

Bees	#	Plant	Notes
0			
0			

### B. 0-5 min

Bee	#	Plant	Notes
0			

### C. 5-10 min

Bee	#	Plant	Notes
0			