

Eastman Nature and Wildlife Habitat Center

Busy Bees

Your Name



Site Survey Data Sheet

Date _____ Time _____

Location _____

Present Weather _____
Clear, Cloudy, Overcast or Raining



Site Survey Data Sheet

Air Temperature _____ Celsius

Air Temperature _____ Fahrenheit

Wind _____ (Which direction is the wind coming from?)
North, South, East, or West

Flower Survey

Hike the forest trail and look for wildflowers/shrubs/trees that attract honeybees. Each time you see a flower make a tally mark in the space below.

Flowers _____

I observed a total of _____ flowers that might attract honeybees.



Find a location with flowers and sit on the ground. Be still and record your observations to the questions below.

1. Which flower attracts the most bees? _____
2. What is the color of the flower? _____
3. During your time of observation estimate the number of bees you observed.

I observed _____ bees.



Sugar Water Experiment

Place your artificial flowers in an area with flowers and fill the caps with sugar water. Record your observations.

1. How many minutes does it take to attract bees? _____
2. How many bees drink from your cap? _____
3. What color attracts the most bees? _____

A Closer Look

Open the beehive. Can you find the Queen, Drone and Worker honeybees? Record your observations below.

1. Did you find the Queen bee? _____
2. Did you find a Drone bee? _____
3. Did you find a Worker bee? _____



Honeybee Population Estimation

At the beehive, estimate and circle the number of honeybees you see inside.

1. There are < 100 honeybees.
2. There are > 500 honeybees.
3. There are > 1000 honeybees.



Bee Observation

In an area with flowers, sit down and find one bee to observe. Record your observations below.

1. How long does the bee visit each flower? _____
2. How many flowers does the bee visit before leaving the area? _____

Bamboo Habitat

Select a bamboo (Sumac also makes a good habitat too.) cane with a hollow center of approximately 3/8" in diameter. Cut the cane 6-to 8 inches in length. Cut below the joints so one end is closed and cut the joint off the opposite end. Secure the bundle with duck tape. Tie a string around the bundle and secure to a branch approximately 4 or 5 feet off the ground.



Nesting Block

Use(untreated) 4" x 4" x 8' pine, cedar or redwood post. Cut the post into 1-foot lengths and drill 3/8 inch holes into the lumber. *Do not drill through the lumber.* Angle the top of the block and cap with a small piece of lumber. This will provide some protection from the weather. Place the "Nesting Block" in a sunny location with the holes facing East.



Flower Survey

Circle the word and number that best describes your observations of flowers.

I saw...

None (0) A Few (1-10) Numerous (11-50) Abundant (>50)

Flying Insect Survey

Circle the word and number that best describes your observations.

I saw...

Honeybees	None (0)	A Few (1-10)	Numerous (11-50)	Abundant (>50)
Bumble Bees	None (0)	A Few (1-10)	Numerous (11-50)	Abundant (>50)
Wasps	None (0)	A Few (1-10)	Numerous (11-50)	Abundant (>50)
Hornets	None (0)	A Few (1-10)	Numerous (11-50)	Abundant (>50)

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