MISSOURI
BUMBLE BEE ATLAS

Complete this form once for a point survey or five times for a roadside survey (one per stop).

Site Information

Enter the same information from your associated bumble bee survey data sheet.

Site Name:	Date:	Survey Type:	Point	Roadside (Survey __/5)

Habitat Information

	Habitat Type (Select One)		*Example*
SURVEY AREA Check *ONE* category that represents the dominant habitat type If you are doing a roadside survey, please remain easily visible to vehicles.		Agricultural Land	*Cropland, Pastureland, Orchard, etc.*
		Developed/Roadside	*Urban/Suburban; Manicured Park; Garden*
		Grassland	*Grasses make up dominant vegetation; Natural area*
		Riparian	*Along a stream or creek*
		Shrub/Steppe	*Arid land; Low-rainfall grassland*
		Wetland	*Bogs, Marshes, Swamps, etc.; Saturated land*
		Woodland	*Trees make up dominant vegetation*

	1st Most Abundant (Select One)	**2nd Most Abundant** (Select One)	**3rd Most Abundant** (Select One)
SURROUNDING AREA Select the top three most abundant habitat types that are directly outside of your survey area within sight distance. If there is only one surrounding habitat type, leave 2nd and 3rd categories blank.	Agricultural Land Developed/Roadside Grassland Riparian Shrub/Steppe Wetland Woodland	Agricultural Land Developed/Roadside Grassland Riparian Shrub/Steppe Wetland Woodland	Agricultural Land Developed/Roadside Grassland Riparian Shrub/Steppe Wetland Woodland

How much of the *survey area* has flowering resources available? (Circle one)

| 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | >90% |

Which of the following features do you see *in or near* the survey area? (Check all that apply)

	Bunch Grasses		Rodent Holes or Tunnels		Brush Piles		Loose, Bare Soil
	Leaf Litter		Pine Needle Duff	Rock Piles	Mulch		None of the Above

I see evidence of, or know that the following have occurred *in or near* the survey area this season:

	Circle Yes, No, or Suspect for each category		
Mowing	Yes	No	Suspect
Livestock Grazing (Do you see animals, cow pies, hoof prints, etc.)	Yes	No	Suspect
Native Grazing (Do you see animals, scat, hoof prints, etc.)	Yes	No	Suspect
Agriculture	Yes	No	Suspect
Insecticide use	Yes	No	Suspect
Herbicide use	Yes	No	Suspect
Fire (Controlled or Wild)	Yes	No	Suspect
Honey Bee Hives (Num. of Hive Boxes Seen:_____)	Yes	No	Suspect

Management Notes:

Complete this form once for a point survey or five times for a roadside survey (one per stop).

Plant Species in Bloom

How many different flower species (including trees and shrubs) are blooming in the survey area that were *not* visited by bumble bees? (Circle one)

0	1-2	3-5	6-10	>10

Record the name of each blooming plant (including trees and shrubs) that was not visited by a bumble bee see in the survey area. If you do not know the name of a plant, use plant identification field guides or apps, like iNaturalist. Alternatively, take pictures of the plant for later identification, these will not be submitted to the data portal.

	Plant Common Name	Plant Scientific Name	Photo Numbers *Optional, see above*
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Volunteer Data

If this survey was *not* a volunteer effort, skip this section. For Roadside surveys: You will submit your 5 surveys separately, but record TOTAL volunteer effort here and submit only once. For remaining 4 surveys you submit to Bumble Bee Watch, leave the volunteer effort boxes blank.

What time did you start and stop volunteering on the day of your survey? Include planning and driving time.	**Start:**	**Stop:**
How many miles, roundtrip, did you drive to conduct your survey?		
When you enter this data online, keep track of the hours you spend organizing and entering your data.		