

BUMBLE BEE ATLAS DATA SHEET



Complete this form at every visit to a site on which you conduct a point or roadside bumble bee survey

Site Information

| | | | |
|---------------------|------------------------|--------------------------|--------------------------------|
| Site Name: | | BBA Grid Cell ID: | Date: |
| Latitude: | N | Longitude: — | W (Use Decimal Degrees) |
| # Observers: | Observer Names: | | |

Bumble Bee Survey Information:

| | | | |
|---------------------------------------|-------------------------|--|--|
| Survey Type: Point Roadside | | Survey Area (Approx., in HA): | Survey Method: I captured all bees, different bees, or a combination of methods: All Different Combination |
| Survey Start Time: | Survey End Time: | Survey Minutes (Survey time x # Observers): | |

Weather Information

| | | | | | |
|--------------|----------|---------------------|----------|--------------------|------------|
| Temp: | F | Cloud Cover: | % | Wind Speed: | mph |
|--------------|----------|---------------------|----------|--------------------|------------|

Habitat Information

| Survey Area Circle the most appropriate habitat type (CHOOSE 1). | Habitat Types | Examples | Surrounding Area (Visible) From the Habitat Types , list (up to) the top three habitat types visible from most to least abundant. | |
|--|-------------------------------------|--|--|---|
| | Grassland / Meadow | <i>Meadow, open, grasses dominant</i> | | |
| | Woodland / Forest | <i>Trees dominant, and in the over-story</i> | | |
| | Shrub / Scrub | <i>Arid, shrubs present, and abundant</i> | | |
| | Agricultural Lands | <i>Crops, pasture, orchard, etc.</i> | | 1 |
| | Riparian Areas | <i>Along lake or stream</i> | | 2 |
| | Developed / Roadside | <i>Sub/urban areas; parks/gardens; roadsides</i> | | 3 |
| Wetland | <i>Bogs; marsh; saturated earth</i> | | | |

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

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

| | | |
|------------------------|---|--|
| Nesting Habitat | Choose which of the following features you see in or near the survey area: | |
| | <input type="checkbox"/> Bunch grasses <input type="checkbox"/> Evidence of rodent holes/tunnels <input type="checkbox"/> Brush piles <input type="checkbox"/> Bare soil | <input type="checkbox"/> Leaf litter <input type="checkbox"/> Pine needle duff layer <input type="checkbox"/> Rock piles |

| | | | | |
|---|--|-----|---------|---------|
| Management | I see evidence of, or know that the following have occurred in or near the survey site: | | | |
| | Mowing | Yes | No | Suspect |
| | Livestock grazing (animals, cow pies, hoof prints) | Yes | No | Suspect |
| | Native grazing (animals, deer/elk scat, hoof prints) | Yes | No | Suspect |
| | Agriculture | Yes | No | Suspect |
| | Insecticide use | Yes | No | Suspect |
| | Herbicide use | Yes | No | Suspect |
| | Fire (either controlled burning or wildfire - circle) | Yes | No | Suspect |
| Honey bee hives (inc. number of boxes _____) | Yes | No | Suspect | |
| Notes: | | | | |

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| Plants | How many different species of flower (incl. trees and shrubs) are in bloom in the survey area (whether they were visited by bumble bees or not)? |
|---------------|--|

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Plant Species in Bloom

Document each species of currently blooming plant that you see in the survey area – including trees and shrubs that WERE NOT observed being visited by bumble bees. Use plant identification field guides, and take pictures of the flowers and leaves of each species. If you are uncertain, give the plant a generic name, and be sure to photo document for later identification. Use a second sheet if needed.

List the scientific name of each plant to the best of your ability – if you only know the common name, list that.

| | | |
|----|-----|-----|
| 1. | 6. | 11. |
| 2. | 7. | 12. |
| 3. | 8. | 13. |
| 4. | 9. | 14. |
| 5. | 10. | 15. |

Bumble Bee Observations

| BBW | Sex Q/W/M/F | Bumble Bee Species | Host Plant | Photo Numbers |
|--------------------------|----------------|--------------------|------------|---------------|
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Volunteer Data

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| What time did you start and stop volunteering on the day of this survey? Include planning, taking photos, recording data, driving, etc. | Start time: | Stop time: |
| How many miles, roundtrip, did you drive to conduct your survey? | miles | |
| How many hours did you spend organizing your data? Photo organization, entering data in Bumble Bee Watch, etc. | hours | |