

CALIFORNIA BUMBLE BEE ATLAS RAPID HABITAT ASSESSMENT FORM



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

Site Information

Site Name:	CA 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
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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>	
	Riparian Areas	<i>Along lake or stream</i>	
	Developed / Roadside	<i>Sub/urban areas; parks/gardens; roadsides</i>	
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 (circle one: <i>controlled burn</i> or <i>wildfire</i> - circle)	Yes	No	Suspect
Honey bee hives (inc. number of hives _____)	Yes	No	Suspect	
Notes:				

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Plant Species in Bloom

How many different species of flower (incl. trees and shrubs) are in bloom in the survey area ? (Circle closest match)			
1-2	2-5	5-10	>10
Document each species of currently blooming plant that you see in the survey area – including trees and shrubs. 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 second sheet if needed.			
Bumble Bee Visited?	Plant Common Name	Plant Scientific Name	Photo Numbers
<input type="checkbox"/>			
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Volunteer Data

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	