

Real people Real data Real science

*A citizen science model for monitoring
Michigan's common and imperiled
butterflies*

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Our mission



The Michigan Butterfly Network seeks to assess the changing population status of our state's butterfly species, evaluate the quality of Michigan's ecosystems, and engage the public in significant citizen science research



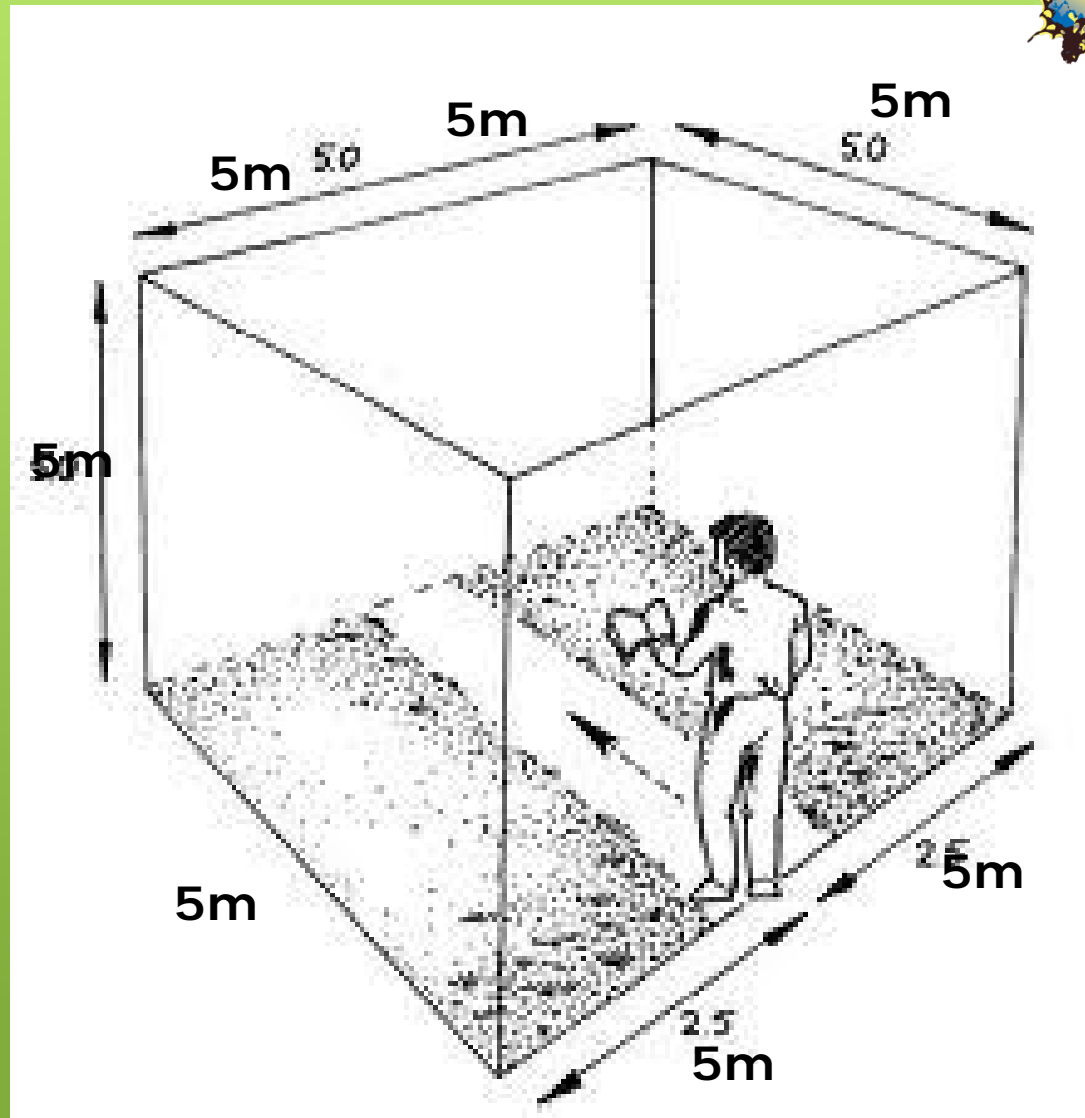
Our protocol



- Establish a permanent census route
 - 1-4 km long
 - Use existing paths when possible
 - Work with land managers to choose target habitats
- 6 or more surveys per year
- Observer walks at a standard rate
 - 5 minute / 100 meters



Pollard Walk Method



What do we require in our citizen scientists?



- Curiosity
- Time
- Ability to follow protocol
- An affinity for nature
- Attention to detail
- Any level of experience



What have we done so far?

Stats for the MiBN



Year	Monitors	Census Routes	Km Surveyed*
2011	7	8	100.45
2012	14	15	215.6
2013	47	34	480.4
2014			



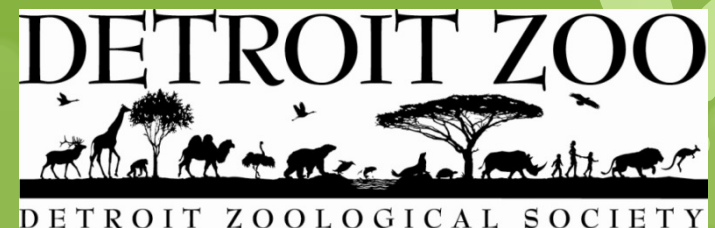
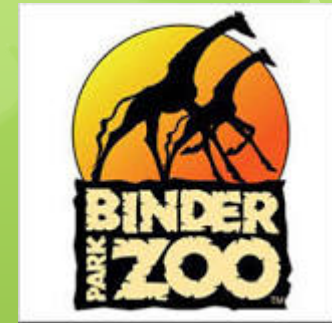
What can we do with our results?



- Improve our understanding of species' distributions
- Are restoration activities working?
- Is prescribed fire affecting populations?
- How long does it take for habitat enhancements to affect butterfly populations?
- Are invasive species affecting butterfly populations?
- Is ecosystem functioning in decline?

Our partners

www.michiganbutterfly.org



Thank you!



Contact us

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"I think I will call myself a citizen entomologist, that's more specific than scientist."

- Jacob, age 9

MiBN citizen entomologist with a census route at Kellogg Biological Station