The first in-depth handbook to empower citizen scientists to contribute to road ecology – coming Spring 2018

Roads cover so much of the landscape that they amount to the largest human artifact. Their impact on wildlife is enormous! They kill animals, fragment habitats, provide pathways for invasive species, change drainage patterns, and increase human access to wild areas.

The rapidly emerging science of Road Ecology allows us to understand and measure the ecological footprint of roads. To capture the data, and to test hypotheses, requires accurate location information and species identification, to feed into a Geographic Information System for analysis.

This is a tremendous opportunity to engage the community - to bring together volunteers and professionals engaged in wildlife observations, conservation biology, road planning, engineering, and maintenance.

Drawing from half a century of the authors’ experience, “Wildlife on Roads” has arrived just in time to provide much needed guidelines for the documenting of wildlife on roads with a focus on Species-at-Risk Vertebrates of Ontario. The Handbook will provide direction for the citizen science community to collect complete and accurate on-road wildlife information. This will fill knowledge gaps and data deficiencies, supporting actions to make roads less hazardous for wildlife.

If you, your agency or someone you know would like to sponsor this book please contact Kari Gunson at P: 705-874-0330 Email: kegunson@ecokare.com OR John McDonnell at P:819-778-3355 Email: jmcdonnell@cpaws.org for more information. Sponsorship contributions will be used for book launch, printing and distribution costs etc.
About the authors

*Kari Gunson* has worked for 20 years collecting wildlife on-road data to inform wildlife mitigation projects throughout North America including Banff National Park, Montana, Nebraska, and Ontario. She lives in Peterborough, Ontario centred among her many road projects with Species-at-Risk freshwater turtles and snakes. These projects include planning for, designing and implementing road mitigation solutions such as wildlife exclusion fencing along roads. In addition, she has been monitoring Ontario's first wildlife overpass for wildlife use since 2011. Her work has contributed to 15 peer-reviewed published articles in the fields of Road Ecology and Geographic Information Science.

*Dr. Fred Schueler* has been documenting species' distributions from roadkills since his 1960s boyhood in Connecticut, and has been doing detailed road surveys since surveying the herpetofauna of Ontario’s Bruce Peninsula in 1983-1990. With his wife, Aleta Karstad, he has engaged in natural history exploration all across Canada. Aleta drives, and Fred clicks the GPS into a database that now contains about 25,000 road data records. Their diverse projects include: snails & slugs, road kill, invasive roadside plants, and a survey of turtle-crossing signs. While many of their books and reports involve road data, most of Fred’s peer-reviewed road ecology publications have been collaborations with Kari.

*Aleta Karstad*, Biological Illustrator since 1971 will provide all illustrations and graphic design for the book. Aleta’s recent books may be seen at http://www.lulu.com/spotlight/karstad

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