

## Principal Researcher



Jeff Battigelli, PAg has worked with soil fauna since 1989 and has published a number of reports and papers.

He received his B.Sc. at the University of Victoria and an M.Sc. from the Soil Science Department at the University of British Columbia. He completed his Ph.D. at the University of Alberta examining the impact of soil compaction and organic matter removal on soil fauna communities and oribatid mite diversity in central British Columbia.

Jeff has presented papers and posters at a variety of conferences including the Entomological Society of Canada and the Soil Ecology Society.

He has lectured on soil fauna at the Alberta Advanced Forest Management Institute in Hinton, AB.

Jeff is enthusiastic and highly motivated with a keen interest in exploring soil fauna diversity and understanding their role in soil ecosystem processes.

## Past clients include:

- ◆ Agriculture Canada
- ◆ BC Ministry of Environment
- ◆ BC Ministry of Forests
- ◆ Diversitas Soil Ecology Research
- ◆ Ecomark Ltd.
- ◆ Illinois Natural History Survey
- ◆ The Nature Conservancy
- ◆ University of British Columbia
- ◆ USDA Forest Service



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## Earthworks Research Group

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Earthworks  
Research Group

## Product/Service Information



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## About Us

**E**arthworks Research Group was established in 1996 to provide expertise in the identification of terrestrial invertebrates and is dedicated to understanding their diversity, ecology, and biology.

**R**esearch has shown that soil fauna can be used as biological indicators, biological control agents and as tools in soil formation, reclamation and ecosystem management.



## How can we help you?

**G**iven the lack of specialists studying many terrestrial invertebrate groups, the large number of undescribed species, and

limited information on the diversity, life history and distribution of these organisms, there is a significant advantage in utilizing the unique skill sets represented by Earthworks Research Group's association of professionals.



Studies we have been involved with include impacts of grazing, oil spills, silvicultural and agricultural practices on soil fauna as well as analysis of soil fauna communities among different soil humus forms.

We support university, government and corporate research programs investigating various impacts on soil arthropods and biodiversity.

## Office location & facilities

Our office is located in St. Albert, Alberta. We work with clients throughout North America and overseas.

We have high-gradient and Berlese extraction units; dissecting microscopes; a compound microscope with interference contrast and full computer facilities.

## Services

- ◆ Design/execution of sampling plans
- ◆ Literature reviews
- ◆ Fauna extraction
- ◆ Sorting aquatic and terrestrial fauna samples
- ◆ Species identification of:
  - Collembola (springtails)
  - Acari (mites)
  - Arachnids (spiders)
  - Coleoptera (beetles)
  - Lepidoptera (butterflies/moths)
- ◆ Complete data analysis and reporting



## Fees

Our fees vary according to the scope, magnitude and time requirements associated with the project.

We can provide quotes based on an hourly or daily rate. We can also quote on a 'project fee' or 'per sample' basis.