


JUSTIS HENAULT (he/him)

Species-at-Risk Consultant; henaulttips@gmail.com

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Canadian and Métis (Indigenous) Citizen

EDUCATION

- Master of Science; Bioscience, Technology and Public Policy:** University of Winnipeg; Canada 2017-2022
Thesis (Supervised by Dr. Richard Westwood): Endangered *Oarisma poweshiek* butterfly larval foraging and adult habitat interactions in Manitoba, Canada.
<https://doi.org/10.36939/ir.202112221602>.
- Higher Education Teaching Certificate:** PACE, University of Winnipeg; Canada 2020-2021
- Bachelor of Science; Honours, Biology:** University of Winnipeg; Canada 2012-2017
Thesis (Supervised by Dr. Richard Westwood): Association of the endangered Poweshiek skipperling, *Oarisma poweshiek*, with potential larval host species in Manitoba.
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PROFESSIONAL DEVELOPMENT

- Equity, Diversity, and Inclusion in Research Program Certificate:** University of Winnipeg 2023
- MobilizeU: Knowledge Mobilization Certificate:** University of Winnipeg 2021
- Indigenous Insights:** University of Winnipeg 2021
- Additional 5 learning workshops/courses 2020-2023
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ANALYSIS SOFTWARE

- Statistical Analysis:** ArcGIS Pro, Canoco, PC-ORD, QGIS, RStudio, Species Diversity and Richness, SPSS Statistics
- Data Visualisation:** Adobe Illustrator, Inkscape, Sigmaplot
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WORK HISTORY

- Species-at-Risk Consultant:** Business Owner 2021-present
6 years leading species-at-risk field surveys and conservation status assessments in prairie and boreal ecosystems in Manitoba, Saskatchewan and Alberta, Canada to produce high-quality technical reports for a variety of stakeholders and clients (government, non-profit, academic).
Focal species: Lepidoptera – *Anisota manitobensis*, *Catocala whitneyi*, *Danaus plexippus*, *Erynnis martialis*, *Hesperia dacotae*, *H. ottoe*, *H. pahaska*, *Amblyscirtes oslari*, *Notamblyscirtes simius*, *Melaporphyria immortua*, *Oarisma poweshiek*, *Papaipema aweme*, *Schinia avemensis*, *S. lucens*, *S. septentrionalis*, *S. verna*; Hemiptera - *Aflexia rubranura*. Plantae – *Agalinis gattereri*, *A. aspera*
Clients: Canadian Wildlife Service and Committee on the Status of Endangered Wildlife in Canada (both under Environment and Climate Change Canada [ECCC]), Nature Conservancy of Canada
Outcomes: 11 contracts (25 accompanying reports)
- Contract Academic Staff** (taught course); University of Winnipeg 2022-2025
Courses: BIOL-4474 Forest Health and Protection, ENV/BIOL-3471 Forest Ecology
- Senior Research Assistant** (Insects-at-Risk): University of Winnipeg 2019-2021
Supervised Skill Development: 12 Research Assistants. Identify endangered Lepidopterans; Prepare collected moth specimens; Identify and sample vegetation in field conditions; Catalogue specimens into digital spreadsheet
- Research Assistant** (Insects-at-Risk): University of Winnipeg 2015-2018
- Conservation Technician:** Native Plant Solutions (DUC) 5-9/2014
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RESEARCH CONTRIBUTIONS

Peer-reviewed

- Keating-Elske, L. M., Glasier, J. R.N., Burns, L. D., Dupuis, J. R., Haines, L., Hébert, L., **Henault, J.**, Heron, J., Linton, J. E., MacDonald, Z. G., Sperling, F. A.H., & Sissons, R. A. **2026**. Using constructed value of information to identify key uncertainties for a decision tree analysis in iterative structured decision making. *Conservation Science and Practice*, e70228. <https://doi.org/10.1111/csp2.70228> (open access).
- Henault, J.** and Westwood, R. **2023**. Adult activities of endangered *Oarisma poweshiek* butterflies are associated with a soil moisture gradient in tall grass prairie in Manitoba, Canada. *Journal of Insect Conservation*, 27: 825–839. <https://doi.org/10.1007/s10841-023-00502-x> (read-only link: <https://rdcu.be/dkqwo>).
- Henault, J.** and Westwood, R. **2022**. Endangered *Oarisma poweshiek* larvae vary their graminoid forage in Manitoba, Canada. *The Canadian Entomologist*, 154: E49. <https://doi.org/10.4039/tce.2022.34> (open access).
- Dupont-Morozoff, J.M., Westwood, R. and **Henault, J.** **2022**. An assessment of prairie management practices for maintaining habitat quality for the endangered Poweshiek skipperling butterfly in Canada. *The American Midland Naturalist*, 188: 74-101. <https://doi.org/10.1674/0003-0031-188.1.74>. Institutional repository open access: <https://hdl.handle.net/10680/2032>.
- Henault, J.**, Norris, D.R., Linton, J.E., and Westwood, R. **2022**. Adult oviposition, larval host plants and shelter use of the endangered Mottled duskywing (*Erynnis martialis*) in Canada. *The Journal of the Lepidopterists' Society*, 76: 43-55. <https://doi.org/10.18473/lepi.76i1.a6>; addendum 2022, 76:160. <https://doi.org/10.18473/lepi.76i2.a11>. Institutional repository open access: <https://winnspace.uwinnipeg.ca/handle/10680/2029>.

Technical Reports

- Henault, J.** **2025**. Lepidopteran and leafhopper surveys in Manitoba 2024. Prepared for Canadian Wildlife Service, Environment and Climate Change Canada. Text (25 pp.), data, geospatial and imagery files.
- Henault, J.** **2024**. COSEWIC 2024 Fieldwork Summary for Oslar's Roadside Skipper (*Mastor oslari*), Pahaska Skipper (*Hesperia pahaska*) and Simius Roadside Skipper (*Mastor simius*). Committee on the Status of Endangered Wildlife in Canada. Ottawa.
- COSEWIC. **Author; Draft. 2022-2024**. COSEWIC assessment and status report on the Leadplant flower moth *Schinia lucens* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa.
- Canadian Endangered Species Conservation Council. 2022. Wild species 2020: The general status of species in Canada. National General Status Working Group. ISBN 978-1-7387673-0-4 Available from <https://www.wildspecies.ca/reports> (accessed 23 December 2022).
- Additional 34 contributions (26 led; includes Consulting reports). 2018 – present

Academic Presentations (presented all)

- Henault, J.**, Foster, R., Neufeld, C. and Lee, S. 2024. Range extension of Red-tailed Leafhopper (*Aflexia rubranura*) in Manitoba. **80th Annual Meeting of the Entomological Society of Manitoba; Winnipeg, MB, Canada.**
- Dupont-Morozoff, J., Westwood, R. and **Henault, J.** 2022. An assessment of prairie management practices for maintaining habitat quality for the endangered Poweshiek skipperling butterfly in Canada. **78th Annual Meeting Entomological Society of Manitoba; Winnipeg, MB, Canada.**
- Henault, J. and Westwood, R. 2021. Plant host species, larval foraging behaviour, adult habitat use of and forest stewardship opportunities for the western endangered Mottled duskywing population in Manitoba. **The Lepidopterists' Society, Southern Lepidopterists' Society, Association for Tropical Lepidoptera and Societas Europaea Lepidopterologica Joint Virtual Meeting 2021.** Online.
- Additional 16 academic presentations at 15 conferences; plus 1 accepted but unable to attend. 2017-present

VOLUNTEERING

Early Career Member; Arthropods Species Specialist Subcommittee: Committee on the Status of Endangered Wildlife in Canada	2025-present
Member; IUCN SSC Butterfly and Moth Specialist Group	2023-present
<u>Poweshiek Skipperling International Partnership (PSIP) and Canadian Equivalent</u>	
Editor of Poweshiek Post	2024-present
Member of Steering Committee	2022-present
Co-chair of Science Support Team	2022-present
Co-chair of Data Sharing Subteam	2022-present
Member of PSIP	2018-present
Contributions: Collaboratively guide the PSIP to maintain suitable habitat and prevent the extinction of Poweshiek Skipperlings (<i>Oarisma poweshiek</i>), via discussions (i.e., conferences, calls) and shared documents with local and international conservation specialists in academia, non-profits, multiple levels of government, independent researchers and local community members.	
Journal Reviewer; <i>Proceedings of the Entomological Society of Manitoba</i>	2022
<u>Entomological Society of Canada</u>	
Member of Organising Committee; ESC-ESM Joint Annual Meeting 2026	2024-present
Judge; Student Awards Committee	2023-present
<u>Entomological Society of Manitoba (ESM)</u>	
Co-Editor; <i>Proceedings of the Entomological Society of Manitoba</i> (Peer-reviewed)	2024-2025
Co-Editor; <i>Newsletter of the Entomological Society of Manitoba</i>	2022-2025
Member of Organising Committee; 78 th , 81 st Annual Meeting of the ESM	2022, 2025
Judge; Student Competition	2021, 2022, 2025
Co-Chair; 80th Annual Meeting of the ESM	2024
Member-At-Large	2022-2024
Chair; 79th Annual Meeting of the ESM	2023
Chair; Paper Session	2020-2022
Interpretive Guide; Living Prairie Museum	2016, 2017, 2022, 2023

RECOGNITIONS

Entomological Society of Canada Dr. Lloyd M. Dossall Memorial Scholarship; \$1,000 CAD	2021
Entomological Society of Manitoba Student Competition: Oral Presentation (12 min) Award; \$100 CAD	2020
EMILI Master of Science Award; \$7,500 CAD x 2 (two competitions); University of Winnipeg	2019, 2020
Graduate Student Travel Grant: Publication; \$750 CAD; University of Winnipeg	2020
Graduate Student Travel Grant; \$750 CAD; University of Winnipeg	2018
Research Manitoba Graduate Scholarship; \$17,500 CAD	2017
Research Manitoba, University of Winnipeg, Natural Science and Engineering Council	
Gold Medal for Achievement in a Major (Honours) Biology; Medal; University of Winnipeg	2017
Additional 9 recognitions local, institutional and federal (\$19,125); 2 declined (\$30,000)	2014-present

HEALTH AND SAFETY TRAINING

First Aid Level C (Emergency First-Aid CPR-C and AED: CSA Basic): St. John's Ambulance – 2022
Pleasure Craft Operator Card: Lifesaving Society - 2022
Chainsaw Safe Handling, Maintenance and Practices: Ken Fosty; Workplace Safety North – 2021

Please reach out for contact info of references, further details of my activities or any questions!