

Jenalee Mischkolz holds a B.Sc. in Biology, a M.Sc. in Ecology, and is a Professional Biologist (AB and BC) with over 15 years' experience in the environmental field in western Canada. She has a specialty in vegetation and wetlands assessments, reporting, and regulatory applications. and a love of mentoring.

AREAS OF EXPERTISE

- Regulatory Advisory
- Environmental Planning
- Project Coordination
- Wetland Assessments and Authentication
- Vegetation Ecology

SELECT PROJECT EXPERIENCE

- **Wetland Assessment and Water Act Applications, AB.**
Regulatory and environmental lead for numerous desktop and field assessments for vegetation and wetland assessments, reporting, and provincial regulatory submissions (e.g., Wetland Assessment and Impact Reports [WAIRs], forms [WAIFs], Code of Practice [COPs] (2016–present).
- **Block Cave, BC**
Prepared a TEM vegetation baseline update and effects assessment for an expansion to the Red Chris Mine Project, supporting set up, coordination, mapping, reporting, and Effects Assessment (EA) regulator review support for Newcrest Red Chris Mining Limited. (2024-2025).
- **Cando Sturgeon West Railyard, AB.**
Project lead for wetland assessment and WAIR, and biophysical reporting to support the federal and provincial applications. (2023–2025).
- **Aggregate Pits, AB.**
Project manager, lead environmental specialist, and regulatory liaison for multiple clients aggregate sites including biophysical assessments, environmental risk assessments, and wetland assessments, *Water Act* and *Public Lands Act* applications. (2021–2025).
- **Transmission Lines, BC**
Vegetation ecologist involved in vegetation baseline reporting and led the vegetation effects assessment for confidential transmission lines. (2024–2025).
- **Northern Valley, AB.**
Lead author on the Environmental Evaluation prepared for the wind power project's submission to the Alberta Utilities Commission (AUC), including multi-discipline concordance for Northern Valley Wind Limited Partnership. (2023).
- **Buffalo Atlee Wind Farm, AB.**
Led the pre-construction native grassland assessments in the Dry Mixedgrass Natural Subregion of southeastern Alberta following the Conservation Assessments in Native Grassland and the Range Health Assessment for Grassland, Forest and Tame Pasture protocols for Capstone Infrastructure Corporation. (2023).

Education

- MSc, Plant Ecology, University of Saskatchewan, 2013
- BSc, Biology, University of Saskatchewan, 2010

Professional History

- Odonata Ltd., Director.
- Triton Environmental Consultants (2025 – present), Vegetation Ecologist
- EDI (2021–present), Vegetation Ecologist
- Integrated Sustainability Consultants Ltd. (2018–2021), Environmental and Regulatory Advisor
- Ecofor Consulting Ltd. (2017–2018), Wetland Ecologist
- Kicking Horse Environmental Consulting Ltd. (2016–2017), Vegetation Ecologist
- Applied Aquatic Research Ltd. (2014–2016), Environmental Planner
- University of Saskatchewan (2009–2013) Researcher, Biological Technician

- **Highway Upgrades, AB.**
Led the regulator liaison and preparation of WAIRs and *Water Act* applications, and Environmental Risk Assessments for proposed highway repairs projects across AB including incidental wetland disturbance during construction. (2017–2018, 2021–2025).
- **Wild Rose 2 Wind Project, AB.**
Supported wetland assessments and WAIR preparation as well AUC hearing preparation and support. (2022).
- **Silvertip Mine, BC.**
Conducted a review of legacy data, coordinated and supported data collection and reporting for an Joint *Mines Act / Environmental Management Act* Permits Amendment Application (JMAEMA) amendment application, including Terrestrial Ecosystem Mapping (TEM) update and pre-disturbance field investigations for Coeur Mining Inc. (2021–2023).
- **Water and Waste Storage Applications, AB and BC**
Regulatory and environmental lead for several reservoir projects including siting evaluations, field assessments, reporting, and regulatory applications (waste storage application, wetland application, dam safety review application, construction permits) and construction support (2018–2021).
- **Vantage Pipeline Project, SK.**
Provided project coordination for Post-Construction Environmental Monitoring (PCEM), as well as conducted wetland and rare plant monitoring of a National Energy Board (NEB)-regulated pipeline project for Pembina. Coordinated and assisted with preparing Year 1 and Year 3 PCEM reporting for the NEB. (2016–2017).
- **Pipeline Projects, AB.**
Provided project coordination, led crews for vegetation and wetland field assessments, and supported reporting for several pipelines Conservation and Reclamation (C&R) Plans, Environmental Protection Plans (EPPs), and alignment sheets, and a provincial Alberta Energy Regulator (AER) hearing support for Pembina Pipeline. (2014–2016).

SELECT PUBLICATIONS

Fryer, G., Lancaster, J., Ottenbreit, K., Metke, C., Cherniawsky, D., Griffiths, A., Foreman, K., and Mischkolz, J. 2022. Rare Vascular Plants of Alberta Second Edition. Pp 642. Alberta Native Plant Council.

Mischkolz, J., Schellenberg, M. P. and Lamb, E. G. 2015. Assembling productive communities of native grass and legume species: finding the right mix. *Applied Vegetation Science*, 19: 111–121.

Mischkolz, J. 2013. Selecting and evaluating native forage mixtures for the mixed grass prairie. University of Saskatchewan, Canada. Master's thesis. Pp 122.

Mischkolz, J., Schellenberg, M. P. and Lamb, E. G. 2013. Early productivity and crude protein content of establishing forage swards composed of combinations of native grass and legume species in mixed-grassland ecoregions. *Can. J. Plant Sci*, 93: 445–454.

Registrations And Affiliations

- Professional Biologist (P. Biol.), Alberta Society of Professional Biologists since 2016
- Registered Professional Biologist (R.P.Bio.), College of Applied Biology, British Columbia
- Rare Vascular Plants of Alberta (second edition) Book Committee, Alberta Native Plant Council.

Continuing Education

- Alberta Soils Tour, Alberta Soil Science Workshop, 2024
- Advanced Wetland Delineation, University of Alberta Faculty of Extension, 2019
- Restoring and Creating Wetlands, University of Alberta Faculty of Extension, 2019
- Alberta Wetland Rapid Evaluation Tool – Actual (ABWRET-A) Training, SALMTEC, 2016
- Moss Identification Course, Devonian Botanic Garden, University of Alberta, 2014