

Appendix C Curriculum Vitae



Environmental Scientist

4 years of experience · Thunder Bay, Ontario

Kaitlyn is an Environmental Scientist for the Ontario West Ecology team and is located in Thunder Bay, Ontario. Kaitlyn holds an Honours Bachelor of Science with a Concentration in Biodiversity and Conservation from Lakehead University. Over the past 2 years with Stantec, Kaitlyn has worked in several sectors including transportation, oil and gas, infrastructure, and mining. She has been involved in aquatic and terrestrial baseline studies, Environmental Assessments and monitoring projects across Ontario, Newfoundland, and British Columbia. She has extensive knowledge on plant species inventories, Ecological Land Classification (ELC), wetland/vegetation monitoring, and Species at Risk (SAR) monitoring.

She is proficient in aquatic habitat assessments, gillnetting, electrofishing surveys and fish rescues. She possesses experience in technical writing to deliver Environmental Impact Studies, follow-up reports, natural heritage assessments all in compliance with federal and provincial legislation, policies, and guidelines.

EDUCATION

Degree, Honours Bachelor of Science. Concentration in Biodiversity and Conservation, Lakehead University, Thunder Bay, Ontario, Canada, 2023

CERTIFICATIONS & TRAINING

Emergency First Aid-CPR A- AED, St.John Ambulance Saint-Jean , Thunder Bay , Ontario , Canada, 2022

WHMIS , HSSE, Thunder Bay , Ontario, Canada, 2022

eRailSafe, Canadian Pacific Railway, Thunder Bay, ON, Canada, 2023

Class 2 Electrofishing Certification, Natural Resources Training Group, Winnipeg, Manitoba , Canada, 2023

Pleasure Craft Operator Card, BoaterExam.com, Ottawa, Ontario, Canada, 2018

Wildlife and Bear Awareness , eSafetyFirst , Thunder Bay, Ontario, Canada, 2023

Field Safety Orientation with Life Saving Rules, Trans-Northern , Thunder Bay, Ontario, Canada, 2024

Office Safety Orientation with Life Saving Rules, Trans-Northern, Thunder Bay, ON, Canada, 2024

Surface Miner Common Core, Canadian Safety Group Inc, Thunder Bay, ON, Canada, 2023

PROJECT EXPERIENCE

WILDLIFE SURVEYS AND STUDIES

Hardrock Gold Mine | Greenstone Gold Mines GP Inc | Municipality of Greenstone, Ontario | 2022-present

Conducted multiple bird nest sweep surveys during breeding bird season along the mine site. Responsibilities included client communication, report writing/review, and uploading field data to ArcGIS. Kaitlyn also administered barn swallow habitat and documenting active and inactive nests, providing a mitigation plan for during and after breeding times.

Hardrock Gold Mine | Greenstone Gold Mines GP Inc | Municipality of Greenstone, Ontario | 2023-present

The project involved monitoring breeding birds, amphibians, reptiles, and mammals. Throughout the day, Kaitlyn surveyed for evidence of mammals (i.e, tracks, scat, dens) while surveying for turtles nesting in wetland areas. Incidental snake observations and potential breeding birds were observed as well.

Parkdale Secondary Plan and Environmental Assessment | City of Thunder Bay | Thunder Bay, Ontario, Canada | CAD 0 | 2023 | Field technician

Conducted desktop screenings for Species at Risk (SAR) for a proposed subdivision. Field work included a baseline breeding bird and Species-at-Risk survey, and the installation and removal of Song meter bird recorders.

WETLANDS ASSESSMENTS

Hardrock Gold Mine | Greenstone Gold Mines GP Inc | Municipality of Greenstone, Ontario | 2022-present

Kaitlyn collected data on Indigenous plant (native/non-native) species, Ecological Land Classification (ELC) and soil characterization. Throughout the year, these wetland monitoring plots have been identified and monitored throughout the Goldmine sites progression. Kaitlyn monitored vegetation cover and planting success by estimating the percent cover of herbaceous ground cover and the percent survival of planted stock.

Pikangikum Quarry Expansion | Pikangikum, Ontario, Canada | 2023 | Field assistant

Vegetation communities in the Study Area were assessed using the draft Ontario Ecosite Manual. Emphasis was placed on assessing wetland boundaries and presence of Significant Wetland Habitat. While on site, breeding bird surveys were completed at twenty locations within the Study Area in representative habitats. Surveys were completed using Autonomous Recording Units (ARU).

ECOLOGICAL LAND CLASSIFICATION

Innova Park | Thunder Bay, Ontario, Canada | 2022 | Field Technician

Conducted breeding bird, Ecological Land Classification (ELC) and vegetation surveys throughout the proposed development. An EIS was prepared for the City of Thunder Bay.

New Found Gold Baseline Study | Gander, Newfoundland and Labrador, Canada | 2023 | Field assistant

ELC was completed on naturally vegetated lands. Field surveys included detailed survey plots to cover a minimum of five plots per ecotype within the approximate 50km² area of focus. During the seven-day survey, 106 ELC plots were completed with vegetation surveys.

ATL Pearl Harbour Stg 4 | Ontario, Canada | 2023 | Field lead/assistant

Kaitlyn's role was to assist in Ecological Land Classification and vegetation survey for a potential development along Lake Superior. Later during the project, Kaitlyn set up Autonomous Recording Units to record Avian mating calls and uploaded the data collected from the site.

Parkdale Secondary Plan and Environmental Assessment | City of Thunder Bay | Thunder Bay, Ontario, Canada | CAD 0 | 2023 | Field technician

Kaitlyn's role was to assist in Ecological Land Classification and vegetation survey for potential development in Thunder Bay. Kaitlyn completed breeding bird surveys and set up Autonomous Recording Units to record Avian mating calls.

MIGRATORY BIRD AND EAGLE SURVEYS

CP Siding Extension | Canadian Pacific Railway Limited | White River, Ontario, Canada | 2023 | Field Technician

Under the Migratory Bird Conservation Act (MCBA) it is prohibited to disturb, remove or destroy the nests for migratory birds. To mitigate this risk, Kaitlyn conducted breeding bird nest sweeps along 5km of railway prior to clearing and brushing activities. Responsibilities included collected data on any species in the area that could be of special concern, report writing and memos.

SOIL VAPOR QUALITY ASSESSMENT

Thunder Bay Airport Excavation | Thunder Bay, Ontario, Canada | 2022 | Field Technician

Kaitlyn's job on site was to assess and evaluate the soil with the following combination of field screening, sample collection and laboratory analysis. Asphalt milling activities were observed and assessment of environmental impacts limited to petroleum hydrocarbons on the surface. Collecting soil samples were performed on site and testing for vapors with an Eagle. After soil samples were tested and observed, jarring and documentation were collected and submitted.

HYDROGEOLOGIC RECONNAISSANCE, TESTING, & WELL SITING

Innova Park | Thunder Bay, Ontario, Canada | 2022 | Field Technician

Kaitlyn's role was to develop and purge wells, and perform rising head tests. Afterwards Kaitlyn collected water samples and submitted the samples for analysis.

15th Sideroad Proposed Subdivision Study | Thunder Bay, Ontario, Canada | 2022 | Field lead

During the summer months as an intern, Kaitlyn performed rising and falling head tests to monitor the flow of water. She also assisted on well development/purging and taking water samples.

ENDANGERED SPECIES/SPECIES AT RISK ASSESSMENTS

TBCC-Bobolink Habitat Compensation Monitoring | CBRE Limited | Thunder Bay, Ontario, Canada | 2022-present | Field lead

During these visits, annual breeding surveys are conducted during the Bobolink's core breeding season, June to early July. Three surveys are completed and include both transects and point counts through the compensation lands (O.Reg.242/08). Habitat assessment is conducted to analyze ground cover composition, depth of ground cover and bare ground cover over the 5-year monitoring period. Other responsibilities included data management, client communications, and report writing/review.

White Pines Decommissioned Wind Farm | Belleville, Ontario, Canada | 2022 | Field lead

Field staff responsible for conducting turtle nesting surveys for endangered Blanding's Turtle by driving through the Project Footprint looking for evidence of nesting along/on the access roads within the turtle nesting period. Responsibilities included uploading SD data, tabling of mammals and reptiles.

Enbridge DOW to Bluewater | Sarnia, Ontario, Canada | 2023 | Environmental Scientist

Assisted with photograph analysis for Butler's Gartersnake

Kanata South Link | Ottawa, Ontario, Canada |
CAD 4.6M | 2023 | Environmental Scientist

Assisted with photograph analysis for 19 culvert crossings to assess presence and identification of Species at Risk Blanding's Turtles.

BOTANY AND RARE SPECIES

Nujio'qonik GH2 | Newfoundland and Labrador, Canada |
2023 | Field assistant

Conducted Rare Plant Surveys on the Port au Port island as baseline studies for potential windfarm in Stephenville, Newfoundland.

AQUATIC ECOLOGY

CP Amyot Siding Extension | Canadian Pacific Railway |
White River, ON | 2023 | Field Technician

During the Spring, Kaitlyn assisted with a Rapid Fish Habitat Assessment at two stream locations where potential construction was to occur. Kaitlyn used a single pass electrofishing backpack at the stream crossings and collected fish length, size distribution and age structure. In the riverine, habitat assessment was identified and analyzed in the case there were other potential fish habitats in the area.

Hardrock Gold Mine | Greenstone Gold Mines GP Inc |
Municipality of Greenstone, Ontario | 2023

Fish and fish assessment completed at a creek diversion. Fish were collected using a backpack electrofishing and were identified, weighed and measured.

Blackwater Project | Prince George, BC, Canada | CAD 0
| 2023 | Field assistant

Supporting in the Davidson Creek watershed fish salvage for nearly 80km of stream within the Project Development Area. Backpack electrofishing was performed to collect and remove fish from the construction site.

Environmental Scientist

15 years of experience · Thunder Bay, Ontario

Stephen Hart is a terrestrial and wetland ecologist specializing in boreal ecosystems with over 10 years' experience. His work has taken him across Canada conducting federal and provincial class environmental assessments for mining, hydro-electric, and linear infrastructure such as hydro and gas lines and roads. His works has included plant species inventories, soil classification, stream crossings, Species At Risk monitoring, and fish spawning habitat assessment. Recently he has developed a specialization in site reclamation and conducted assessments on the large hydroelectric developments, mine revegetation and contributed to mine closure plans. Through his forestry background he has helped lead policy reviews on carbon mitigation and biomass energy. His work on boreal ecosystems has been published in international peer reviewed journals

EDUCATION

Doctor of Philosophy, Forest Science, Lakehead University , Thunder Bay, Ontario, 2013

Master of Science, Forestry, Lakehead University, Thunder Bay, Ontario, 2006

Bachelor of Science, Trent University, Peterborough, Ontario, 2004

CERTIFICATIONS & TRAINING

Ontario Wetland Evaluation Certificate, Ontario Ministry of Natural Resources / Ontario Wetland Evaluation System (OWES), North Bay, Ontario, 2018

Introduction to the Canadian Environmental Assessment Act, 2012, Canadian Environmental Assessment Agency, Ottawa, Ontario, 2018

REGISTRATIONS

Registered Professional Biologist #3848, College of Applied Biologists, 2020-Present

AWARDS

2017 Welbourne Excellence in Teaching Award, Faculty of Natural Resource Management, Lakehead University

2006 High Output and Publication Excellence (HOPE) Award, Understory Plant Diversity Dynamics of North American Boreal Forests

2010 NSERC Engage , Charcoal in North American Boreal Forests: Implications for Carbon Storage and Management

2011 MITACS Accelerate, Charcoal in North American Boreal Forests: Implication for Carbon Storage and Management

2008 NSERC PDF, Charcoal in North American Boreal Forests: Implications for Carbon Storage and Management

2004 Arthur Cup , Trent University Ski Team

2004 NSERC IPS, Dynamics of North American Boreal Forests

2004 CIS Academic All-Canadian, Trent University Ski Team

2004 NSERC USRA, Research Assistant, Maple Canopy Physiology

PROJECT EXPERIENCE

FEDERAL GOVERNMENT

Determination of Presence of Species at Risk, Species at Risk Habitat, Critical Habitat and Migratory Birds at Michipicoten Island | Public Services and Procurement Canada | Michipicoten Island, ON | CAD 30k | 2020 | Biologist

Conducted field studies for species at risk, critical habitat, and ecological land classification mapping.

Joyceville Correctional Institution Forest Management Plan | Public Services and Procurement Canada | Joyceville, Kingston, ON, Canada | CAD 60k | 2021-2022 | Ecosystems and Forestry Lead

Led forest management plan development for sugar bush management at Joyceville Correctional Institution. Role required management of woodlot and treemarking contractor services, authoring woodlot management study, and provision of management directions.

Slate Islands Soil Remediation | Public Services and Procurement Canada | Slate Islands, ON | CAD 300k | 2020-2022 | Biologist

Field lead for species at risk and ecosystem mapping studies (2020), soil collection (2021), and construction monitoring (2022).

Thunder Bay North Harbour Contaminated Sediment Management – Impact Assessment Gap Analysis | Public Services and Procurement Canada | Thunder Bay, ON | CAD 45k | 2022-2023 | Ecosystems and Fisheries Lead

Reviewed previous studies of Thunder Bay North Harbour for Gap Analysis. Provided recommendations for future studies. Conducted fisheries impacted assessment for DFO.

FORESTRY AND VEGETATION ECOLOGY

Baseline biodiversity study for the wood basket of International Wood Fuels North Carolina | International Wood Fuels | Thunder Bay, Ontario | CAD 15k | 2014 | Author

Researched biodiversity implications of wood residue removal. Developed soil vulnerability mapping criteria.

Identifying potential components for the forest genetics resource management strategic direction in Ontario | Ontario Ministry of Natural Resources and Forestry | Thunder Bay, Ontario | CAD 15k | 2017 | Author

Research and interviews on Ontario forest genetics research program and suggestions for future direction to adapt to climate change and changing forest markets.

Review of the Tree Improvement Master Plan for Ontario | Ontario Ministry of Natural Resources and Forestry | Thunder Bay, Ontario | CAD 15k | 2016 | Author

Review of Ontario Tree Improvement Master plan and recommendations for future development.

Practical Guide for Boreal Forest Management Practices That Mitigate Climate | Canadian Boreal Forest Agreement | Thunder Bay, Ontario | CAD 20k | 2016 | Author

Review of forest management practices in use across Canada which could mitigate climate change.

Jurisdictional Scan: Forestry Management and Tenure | Alberta Agriculture and Forestry | Thunder Bay, Ontario | CAD 20k | 2016 | Author (Quebec section)

Quebec forest tenure policy review.

Eastern white cedar silviculture and sustainability | Ontario Ministry of Natural Resources and Forestry | Thunder Bay, Ontario | CAD 15k | 2016 | Author

Research on constraints and potential forest silviculture for improvement of eastern white cedar growth and wood properties.

Forest Sustainability Jurisdictional Scan | Ontario Ministry of Natural Resources and Forestry | Thunder Bay, Ontario | CAD 20k | 2017 | Author

Research and writing of Quebec forest activities and policies relating to sustainable forest management.

Nova Scotia Forest Operations Manual | Nova Scotia Department of Natural Resources | Thunder Bay, Ontario | CAD 30k | Author

Researched and developed updates to forest operators manual for protection of vegetation, forest, and riparian communities.

City of Fredericton Urban Forest Technical Report | City of Fredericton | Fredericton, NB, Canada | 2022-2023 | Climate change and disease lead

Analysis of climate change trends and trees species selection ranking for future climate and disease projections.

RECLAMATION & REMEDIATION

White River Hydroelectric Project | Regional Power Inc. | White River, Ontario, Canada | 2017-Present | Ecologist

Led design and field assessment of tree planting and reclamation treatments following hydroelectric development. Authored assessment report.

Lake Manitoba Outlet Channel Reclamation | Government of Manitoba | Winnipeg, Manitoba | CAD 100k | 2019-Present | Reclamation ecologist

Reclamation seedmix and species prescriptions. Habitat prescriptions. Seed costing and sourcing. Species identification. Weed management.

Mine tailing revegetation plan - greenhouse trials | Marathon PGM Corp. | Thunder Bay, Ontario | CAD 20k | Lead Author

Conducted greenhouse trials of soil amendments to facilitate mine tailing revegetation treatments for progressive revegetation and closure planning.

Mine tailing revegetation plan - Marathon PGM-Cu Project | Marathon PGM Corp. | Thunder Bay, Ontario | 2008 | Lead Author

Research and development of progressive and closure revegetation options and recommendations. Report contributed to mine closure plan.

Terrestrial habitat restoration program: Vegetation monitoring | Ontario Power Generation | Thunder Bay, Ontario | CAD 25k | 2016 | Lead Author

1. Assessment of downstream erosion and habitat change resulting from alteration of water flow regimes from hydroelectric redevelopment of the Lower Mattagami River Project. 2. Assessment of revegetation treatments of areas impacted from industrial construction activity.

Magino Mine reclamation trials | Argonaut Gold | Thunder Bay, Ontario | CAD 30k | Project Manager

Developed species mixes and reclamation treatments to support reestablishment of native vegetation communities. Results contributed to mine closure planning recommendations and development of overburden storage and deployment strategies.

PRC General Support for Trend-Roman Mine | British Columbia, Canada | CAD 0 | 2021 | Reclamation biologist

Field monitoring of reclamation success of revegetation treatments and identification of areas requiring mitigation.

Willow Creek Vegetation Metals Monitoring | Tumbler Ridge, British Columbia, Canada | CAD 0 | 2021 | Biologist

Monitoring revegetation areas and collection of plant tissues for metals analyses.

Confidential Project | Confidential Client | 2021-pres | Reclamation lead

Design and costing of terrestrial reclamation including ecosystem and species selection and consultation with stakeholders.

Algoma Development Phase 2A | Galaxy Lithium | Beardmore, Ontario, Canada | 2020 | Baseline assessment lead

Assessment and determination of current status of legacy mine site and recommendations for remediation.

Kitimat LNG Export Terminal | Kitimat, British Columbia, Canada | 2020 | Field Lead

Field lead monitoring compensation wetlands including reconstructed salt marshes.

ENVIRONMENTAL ASSESSMENTS – MINING

Mount Milligan Mine - Environmental and Permitting Support | Centerra Gold Inc. | Mount Milligan, Bulkley-Nechako, BC | 2019-Present | Terrestrial Ecologist

Sensitive ecosystem mapping. Vegetation TDR author. Rare plant surveys.

Hardrock Gold Mine | Greenstone Gold Mines GP Inc | Municipality of Greenstone, Ontario | 2014-pres | Ecologist

Field work for baseline assessment (terrestrial, wetlands, wildlife monitoring). Goldfield Creek diversion assessment. Biological monitoring and mitigation plan support (revegetation, seed mixes, weed management).

Angus Project | Prince George, British Columbia | 2021-pres | Terrestrial Discipline Lead

Baseline assessment of terrestrial ecosystems, coordination of field surveys, regulatory support.

ENVIRONMENTAL ASSESSMENTS – OIL AND GAS

Cedar LNG Project | Cedar LNG Export Development Ltd. | Kitimat, British Columbia | CAD 50k | 2020-Present | Author

Vegetation TDR research (SAR, ECCC, weeds). Map and figure requests. TDR writing.

ENVIRONMENTAL ASSESSMENTS – ELECTRICAL TRANSMISSION

Dryden - Ear Falls transmission line reinforcement - baseline study | Hydro One | Dryden, Ontario | CAD 30k | 2015 | Field Lead

Led baseline field data collection of ecosites, significant wildlife habitat, stream crossings, and environmental damage.

Kapuskasing area transmission line reinforcement - baseline study | Hydro One | Kapuskasing, Ontario | CAD 30k | 2017 | Field Lead

Lead baseline field data collection of ecosites, significant wildlife habitat, stream crossings, and environmental damage.

OIL & GAS MIDSTREAM, PIPELINES

Trans Canada NGTL 2023 Program | Trans Canada Pipelines | Calgary, Alberta | CAD 1M | Discipline Lead - Author

Vegetation and Wetlands Baseline and EA Report writing, field work, and field coordinator. Vegetation and wetlands assessment to evaluate the impact of pipeline construction on vegetation community and species composition and structure.

TransCanada Energy East Pipeline Project - Community Consultations | Common Voice Northwest | Thunder Bay, Ontario | Bilingual community consultant

Conducted bilingual community consultations in Northwestern Ontario communities on behalf of Common Voice Northwest, Energy East Task Force under the National Energy Board Participation Funding Program. Determined local areas of significant value at risk to pipeline spills to develop definition of significant water crossing.

ENVIRONMENTAL ASSESSMENTS – HYDRO

Ivanhoe baseline environmental conditions for road and line options | Xeneca Power Development, Inc. | Thunder Bay, Ontario | CAD 25k | 2013 | Author

Conducted baseline field inventory of terrestrial and wetland habitats as well as turtle and amphibian monitoring. Authored portions of baseline report.

Wabagishik baseline environmental conditions | Xeneca Power Development Inc. | Thunder Bay, Ontario | 2013 | Author

Terrestrial field crew member (soils, vegetation, wildlife monitoring). Contribution baseline assessment author.

AGGREGATES & ROCK

Baseline environmental assessment of northern Ontario quarries | Golder Associates | Thunder Bay, Ontario | CAD 30k | 2017 | Vegetation lead

Vegetation lead for field assessment of aggregate quarries across northern Ontario. Ecosystem classification, soil classification, plant inventory.

Natural environment level 2 site assessment: Armstrong Quarry | TBT Engineering | Thunder Bay, Ontario | CAD 5k | 2010 | Project Lead

Desktop evaluation of mitigation options.

Natural Environment Level 1 site assessment: Armstrong Quarry | TBT Engineering | Thunder Bay, Ontario | CAD 5k | 2010 | Project Lead

Field assessment of proposed quarry location including site boundaries, wetlands, and significant wildlife habitat.

WETLANDS ASSESSMENTS

Couchiching First Nation wetland assessment |
Couchiching First Nation | Thunder Bay, Ontario |
CAD 2k | 2015

Project lead for evaluation of wetland changes from historical water table changes from hydroelectric development on Lake of the Woods. Designed field sampling program. Lead field sampling. Report author. Resulted in presentation to land claim panel and compensation recommendations.

Nigigoonsiminigaaning First Nation wetland assessment |
Nigigoonsiminigaaning First Nation | Thunder Bay, Ontario | CAD 2k | 2015 | Project Lead

Project lead for evaluation of wetland changes from historical water table changes from hydroelectric development on Lake of the Woods. Designed field sampling program. Lead field sampling. Report author. Resulted in compensation recommendations.

Couchiching First Nation wetland assessment |
Couchiching First Nation | Thunder Bay, Ontario |
CAD 20k | 2015 | Lead

Project lead for evaluation of wetland changes from historical water table changes from hydroelectric development on Lake of the Woods. Designed field sampling program. Lead field sampling. Report author. Resulted in deposition to land claim panel and compensation recommendations.

Big Grassy First Nation wetland assessment | Big Grassy FN | Thunder Bay, Ontario | CAD 20k | 2014 | Project Lead

Project lead for evaluation of wetland changes from historical water table changes from hydroelectric development on Lake of the Woods. Designed field sampling program. Lead field sampling. Report author. Resulted in compensation recommendations.

ENVIRONMENTAL ASSESSMENTS – SOLAR

FIT 2.0 Dove Solar soil study | Dove Solar | Dryden , Ontario | CAD 2k | 2013 | Lead

Evaluation of soil for agricultural classification and quality.

PUBLICATIONS & WHITEPAPERS

Hart, S.A., and N.J. Luckai. *Charcoal carbon pool in North American boreal forests*, *Ecosphere*, 2014, pp. 1-14.

Hart, S.A., and H.Y.H. Chen. *Fire, logging, and overstory affect understory abundance, diversity, and composition in boreal forest*, *Ecological Monographs*, 2008, pp. 123-140.

Hart, S.A., Brassard, B.W., Chen, H.Y.H, and Poschmann, P. Dynamics of stand structure and understory plant diversity in northwestern Ontario. *Sustainable Forest Management Network Research Note Series No. 52*, 2008, pp. 1-6.

Hart, S.A., and N. Luckai. *Charcoal function and management in boreal ecosystems*, *Journal of Applied Ecology*, 2013, pp. 1197-1206.

Hart, S.A., H.Y.H. Chen. *Understory vegetation dynamics of North American boreal forests*, *Critical Reviews in Plant Sciences*, 2006, pp. 381-397.

PRESENTATIONS

Creating a carbon negative fuel cycle in Northwestern Ontario. *Canadian Institute of Forestry Regional Conference, Thunder Bay, ON*, 2011.

Fire, logging, and overstory affect understory abundance, diversity, and composition in boreal forests. *Sustainable Forest Management Network AGM, Montreal, QC*, 2007.

Environmental Site Assessor

7 years of experience · Thunder Bay, Ontario

Miss Victoria Wilen is an Environmental Technician with Stantec Consulting Ltd. She is experienced in environmental sampling methods and procedures and has completed surface water and groundwater monitoring at a number of sites across northwestern Ontario.

EDUCATION

Confederation College Diploma in Environmental Technology, Thunder Bay, Ontario, Canada, 2013

Bachelor in Natural Resources, Environmental Management: Wildlife and Conservation, Lakehead University, Environmental Management: Wildlife and Conservation, Thunder Bay, Ontario, Canada, 2016

CERTIFICATIONS & TRAINING

WHMIS, Thunder Bay, Ontario, 2024

First Aid with CPR & AED, Thunder Bay, Ontario, 2022

Bear Awareness, Thunder Bay, Ontario, 2018

Worker Health and Safety Awareness, Thunder Bay, Ontario, 2018

Trenching and Excavating Course, Thunder Bay, Ontario, 2018

Confined Space Awareness, Thunder Bay, Ontario, 2018

ATV Training Course, Thunder Bay, Ontario, 2018

Working at Heights, Thunder Bay, Ontario, 2018

PROJECT EXPERIENCE

VEGETATION ASSESSMENTS

Wabakimi Provincial Park* | 2013-2016

Identified soil layers, tree and vegetation species. Determined site quality, age and defects of trees. Calculations were required to determine basal area, volume of trees and value of timber for forestry purposes at various locations within Wabakimi Provincial Park.

East-West Tie | 2018

Provided archaeological field support for a Stage 2 archaeological investigation of the east-west tie transmission line project.

SOIL SAMPLING

Nipigon LNG Project* | 2018 | Environmental Technician

Completed soil test pits and analyzed soil for archaeological purposes in Nipigon, Ontario.

ENERGY

Home Energy Rebate Program* | 2017

Program Coordinator for Home Energy Rebate program. Connect with sponsors and stakeholders and organize and promote materials for the program. Inform clients on ways to increase energy efficiency within their home.

GROUNDWATER

Mercury Investigation, Domtar Inc.* | 2018 | Environmental Technician

Completed groundwater and surface water sampling for a mercury investigation at a former chlor-alkali plant in Dryden, Ontario.

Superior Greenstone District School Board* | 2018 | Environmental Technician

Sampled drinking water for lead in multiple schools across the SGDSB school district. Completed 20 reports required for SGDSB school district.

Municipality of Shuniah* | 2018

Completed groundwater and surface water sampling at three municipal landfill sites as part of an annual groundwater monitoring program. Sampled drinking water for lead for MacGregor residents.

Resolute Forest Product* | 2018

Completed groundwater and surface water sampling at five woodwaste disposal sites across northwestern Ontario as part of annual groundwater monitoring programs for Environmental Compliance Approval (ECA) purposes.

Groundwater Monitoring, Domtar Inc.* | 2018

Completed groundwater and surface water sampling at an operational pulp and paper mill in Dryden, Ontario for annual groundwater monitoring purposes. Sampled methane, surface water, and groundwater.

Township of Sioux Narrows/Nestor Falls* | 2018

Sampled surface water and groundwater at two municipal landfill sites and a sewage disposal site as part of an annual groundwater monitoring program.

MTO Tower Pit* | 2018

Completed groundwater and surface water sampling for salt runoff at a site near Kenora, Ontario.

Stillwater Canada Inc.* | 2018

Sampled surface water and installed water level loggers at a proposed PGM-Cu mine site near Marathon, Ontario.

Township of Oliver Paipoonge* | 2018

Assisted with drilling 3 wells at municipal landfill site.

Resolute Forest Products | 2018

Sampled methane, surface water, and groundwater at the former Mount McKay woodwaste disposal site located on Fort William First Nation in Thunder Bay, Ontario.