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MSc and PhD opportunities in aqueous and environmental geochemistry

Potential projects in:

- **Gas-driven mineral weathering:** probing links between availability of reactive gases (CO₂ and O₂) and the carbon cycle
- **Water-limited weathering:** How does availability of water influence mineral dissolution-precipitation reactions?
- **Capturing carbon:** enhancing natural reactions to offset greenhouse gas emissions
- **Non-traditional stable isotopes in weathering and carbonate systems:** Fractionation factors, implications, and proxies

Projects on mineral-fluid-gas interactions, contaminant cycling, and related topics can also be developed depending on the interests of the applicant.

Projects will involve experimental, analytical, and reactive transport or geochemical modelling approaches. Field work components are likely for some projects. Motivated students are encouraged to contact me (anna.harrison@queensu.ca). An undergraduate degree in earth sciences or related field is required at the time of starting the position. A background in aqueous, environmental, or isotope geochemistry would be considered an asset. I am committed to fostering a diverse and inclusive research group and welcome applications and inquiries from students from underrepresented groups.