

## **GIS Analysis of Oil Spill Vulnerabilities in Red River Métis Freshwater Ecosystems in Manitoba**

### Project Description

The fish biology and conservation lab is looking for a M.Sc. student (environmental science program) to start in May 2025. The student will complete a GIS analysis of the risk to Red River Métis culturally significant freshwater resources should an oil spill occur. Most of the work will involve desktop and computer work with some time being spent in the field either ground truthing GIS files or participating in community outreach. Dr. Joni Storie (Geography) will co-supervise the thesis.

### Qualifications and Support

This project will be a great opportunity to develop your GIS skills further, work closely with Red River Métis Citizens, and to gain valuable experience in project management and scientific communication.

The preferred candidate will have a 4-year bachelor's degree (honours preferred) in a related field of study (e.g., Environmental Science, Environmental Resource Mgt., Ecology, Biology, Geomatics), a track record of academic excellence, strong English writing skills, and be committed to teamwork. The successful candidate will receive a competitive 2-year funding package (\$26,000 per year) and be eligible to access support for direct costs of research. Preference will be given to qualified Red River Métis applicants, and they are encouraged to self-identify on their resume.

### How to Apply

Interested students should email Caleb ([c.hasler@uwinnipeg.ca](mailto:c.hasler@uwinnipeg.ca)) and address their interests. Please also attached a current transcript (unofficial is ok) and a resume.