

CWN Research Call

Proposals for research in the following areas will be eligible for consideration:

- Development of a conceptual strategies for environmental monitoring (hydrologic, chemical and biological) in the Tobacco Creek Watershed:
There is a significant amount of historic data available for the watershed, although many sampling stations are no longer monitored. Projects that evaluate historic data, and provide advice on the optimal sampling regimes are sought (station location, sample timing and frequency). A conceptual model that establishes principles that are transferrable elsewhere in the Red River Valley are desirable.
- Identification of biological indicators for environmental stressors in the Tobacco Creek Watershed:
Key stressors include peak nutrient losses in snow-melt, use of water control devices, municipal lagoon discharges, pesticide use. Eligible indicators include those that characterize the watershed, and or identify spatial and temporal changes. Eligible indicators include benthic invertebrates, aquatic plants, riparian plants, DNA fingerprinting, ecosystem profiling.
- Identification of indicators (hydrologic, chemical and biologic) in the Tobacco Creek Watershed that demonstrate the effectiveness of Beneficial Management Practice implementation:
Through the WEBs program, a number of beneficial management practices have been implemented in the headwaters of the watershed, on the glacial till plain above the escarpment. Indicators that evaluate these, and provide effective comparators between sub-catchments are eligible. Indicators that are transferrable elsewhere in the Red River Valley and Lake Winnipeg Basin are desirable to monitor adoption of beneficial management practices elsewhere.

For More Information

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