Reaching Milestones: Ecological Risk Assessment

2003

- Select 6 Chemicals of Concern (COCs) (arsenic, cobalt, copper, lead, nickel and selenium). A COC is a chemical that has been identified for further study in the human health risk assessment (HHRA) or ecological risk assessment (ERA) process.
- Have Your Say workshops with the community to identify what's important to Sudburians for the ERA
- Estimate background levels on COCs - levels of metals in the environment that may be naturally occurring
- Wildlife dietary items field survey
- Draft methodology document

2004

- Finalize Goals and Objectives report
- Collect and analyze fish tissues
- Receive Ministry of Natural Resources report on recovery of lakes in the Sudbury Region
- Review previous work on aquatic ecosystems in Sudbury
- Review previous work on terrestrial ecosystems in Sudbury

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- Revise approach to study area
- Select Valued Ecosystem Components (VECs) – representative plant and animal species for examination in the ERA
- Investigate cadmium as a COC
- Detailed ecological field work
- Extensive collection of soils and submission for toxicity testing
- Draft toxicological profiles for each COC
- Develop Toxicity Reference Values (TRVs)
- University of Guelph soil model



Continued public consultation - newsletters, website, toll-free number, email, newspaper articles, television and radio interviews



