**Recent and Current Work**

A detailed lake sediment and water sampling survey was conducted in two areas of central and western Labrador in 2009. Sediment, water and rock samples were obtained from Gull Lake East and the Gameti Rivers. A total of 60 lake sediment core samples and 40 water samples were collected and analyzed. The results showed elevated concentrations of metals such as copper, nickel, and zinc in the lake sediments. These findings are significant as they may indicate the presence of mineral deposits in the surrounding area.

A rock-sampling survey was conducted in 2010 to further investigate the mineralogical and geochemical characteristics of the sediment and water samples. The survey involved the collection of rock samples from various locations within the study area, including the Gull Lake East and the Gameti River basins. The results revealed the presence of various minerals such as quartz, feldspar, and mica, which are commonly associated with mineral deposits.

These findings suggest the potential for mineral exploration in the central and western Labrador regions. Further research and exploration work are recommended to confirm the mineral potential and to determine the economic viability of the deposits.

**Background Map:** Aqua Regia Extractable / Total Fe Ratio In Lake Sediment. Reds indicate low ratios and restricted chemical breakdown of silicate minerals in the natural environment.