



## Western Hudson Bay Architecture and Metallogeny

This activity proposes to study the evolution of different geological zones between Baker Lake and Whale Cove. Learning how these rocks formed and moved can change our understanding of how the early Earth formed and affect interpretations of the potential presence of minerals and metals such as gold. Dr. Sally Pehrsson and her team would combine the re-examination of previously collected rock samples with analysis of new samples and GPS data gathered on the land.

The proposed 2023 fieldwork would be conducted by a group of 6 researchers and a wildlife monitor over two weeks this summer. The team would collect fist-sized samples of rocks along Chesterfield Inlet. Results from this work could provide geological information within the proposed Hydro-fibre Link Corridor and propose models for gold and critical mineral movement in the area.



Rock sampling using a hammer and chisel.



