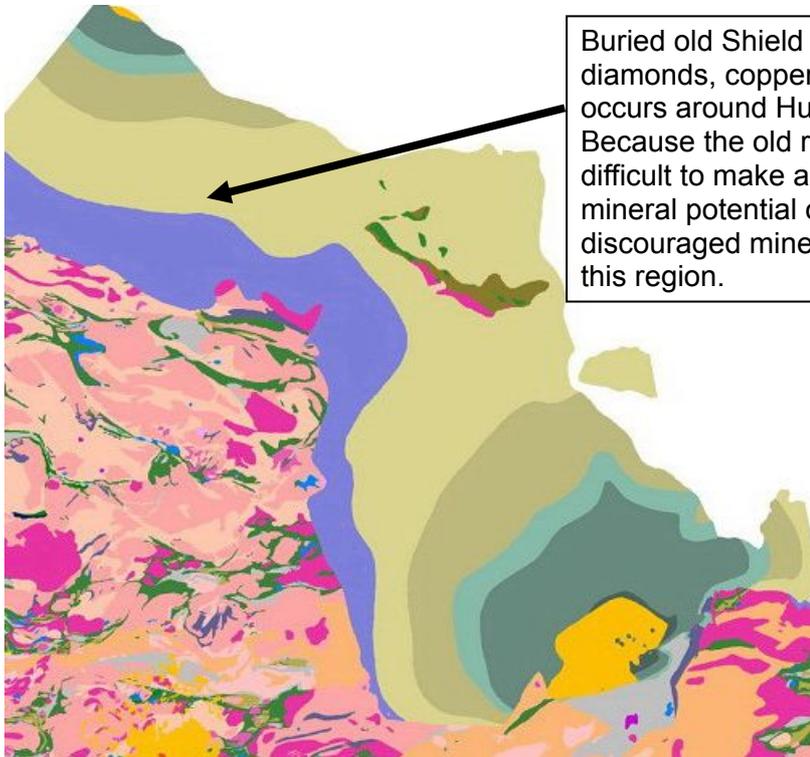
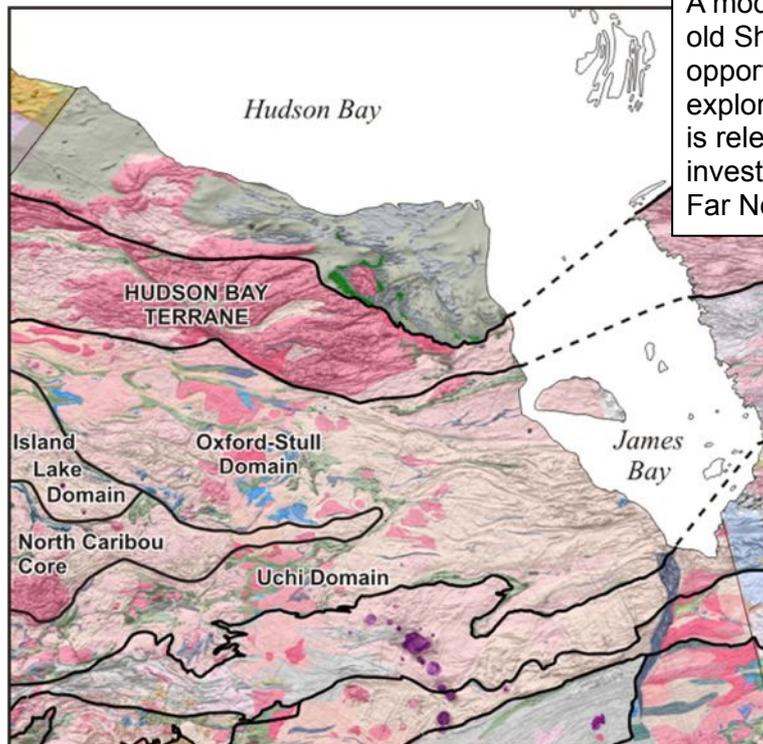


Ontario's Hidden Far North Mineral Potential

MNDMF's Ontario Geological Survey presents a modern interpretation of mineral potential of the Hudson Bay and James Bay areas that is essential to Far North land-use planning and mineral investment attraction.



Buried old Shield rock that may contain diamonds, copper, chromite, gold, and nickel occurs around Hudson Bay and James Bay. Because the old rock is buried, it has been difficult to make a modern interpretation of mineral potential of the area. This limitation has discouraged mineral exploration investment in this region.



A modern view of the buried, old Shield rock reveals new opportunities for mineral exploration in the region. This is relevant to mineral investment attraction and to Far North land-use planning.

Ontario's Hidden Mineral Potential
Ministry of Northern Development, Mines and Forestry
Ontario Geological Survey

Results:

By application of innovative techniques, MNDMF-OGS produced a new view of the buried, old Shield bedrock that is hidden around Hudson Bay and James Bay. These old Shield rocks, where exposed elsewhere in Ontario, are the source of most of Ontario's gold, copper, nickel, platinum, and the new chromite development in the Ring of Fire. The new view has attracted mineral investment in the region and informs Far North land-use planning.

Policy Relevance:

- A) Economic development through new mineral exploration investment;
- B) Informs Far North land-use planning decisions (protection, development, extraction);
- C) Helps support stronger relationships with Aboriginal people.

Public Relevance:

The new view of the buried rocks allows mineral potential estimation for this part of the Far North and is essential to help:

- Market new mineral exploration targets that have attracted new, mineral investment;
- Identify areas that should be protected for mineral exploration;
- Identify geological features that may influence the location of natural gas;
- Inform community-based, land-use planning decisions.

Methods:

Application of innovative technology combined with expert geological interpretation is an integral part of the MNDMF's Ontario Geological Survey, geoscience program.

Next Steps:

Continued collaboration is planned with local Aboriginal communities, Canada, Nunavut, Manitoba and Quebec to better understand the mineral potential of the formerly hidden rocks across the Far North.

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