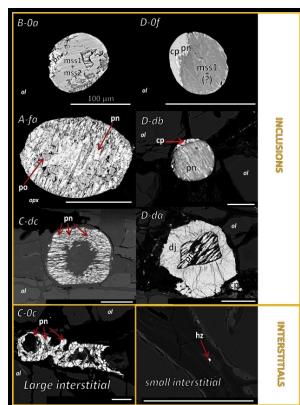


# Late Proterozoic to Early Tertiary Stratigraphy of Somerset Island and Northern Boothia Peninsula, District of Franklin, N.W.T.

s.n - Atypical Cu mineralisation in the Cornwallis carbonate



Description: -

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## Evolution of the Canadian Arctic Islands: A Transition between the Atlantic and Arctic Oceans

The first markedly heterolithic alluvial sequences appeared at about the same time as the most primitive terrestrial vegetation in the Ordovician, and prolific pedogenic calcite, charcoal and bioturbated floodplain fines first appeared in the rock record at about the same time as vascular-plant macrofossils became abundant in the late Silurian.

## PaleoTerra: Devonian Lithological Database: Missing Sources

Although uranium, present in basement granites north of the Fury and Hecla Strait, may have been scavenged by fluids well after lithification of the Mesoproterozoic basin fill to produce local vein-type uranium deposits, the potential for extensive unconformity-type deposits, analogous those in the Athabasca basin, is exceptionally low.

## Evolution of the Canadian Arctic Islands: A Transition between the Atlantic and Arctic Oceans

Three mineralization parageneses were analysed: a chalcocite as pore space filling in sandstone, b disseminated Cu—Mo mineralization in shale, and c massive, bedded copper sulphides.

## Atypical Cu mineralisation in the Cornwallis carbonate

Subsequent precipitation of carbonates created large volumes of dolomite alteration that coated the sulfides and possibly contributed to the preservation of the ore, as dolomite would dissolve more slowly than calcite. Carboniferous magmatism stage III resulted in a magmatic overprint on the stage II sulfide. Sharpe at the The Late Triassic Muguyuan W deposit is located in the middle of the Jiangnan Orogen, South China.

Libros:

The Neoproterozoic main sulfide precipitation stage II was caused by thermo sulfide reduction resulting in positive  $\delta^{34}\text{S}$  values 7.

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