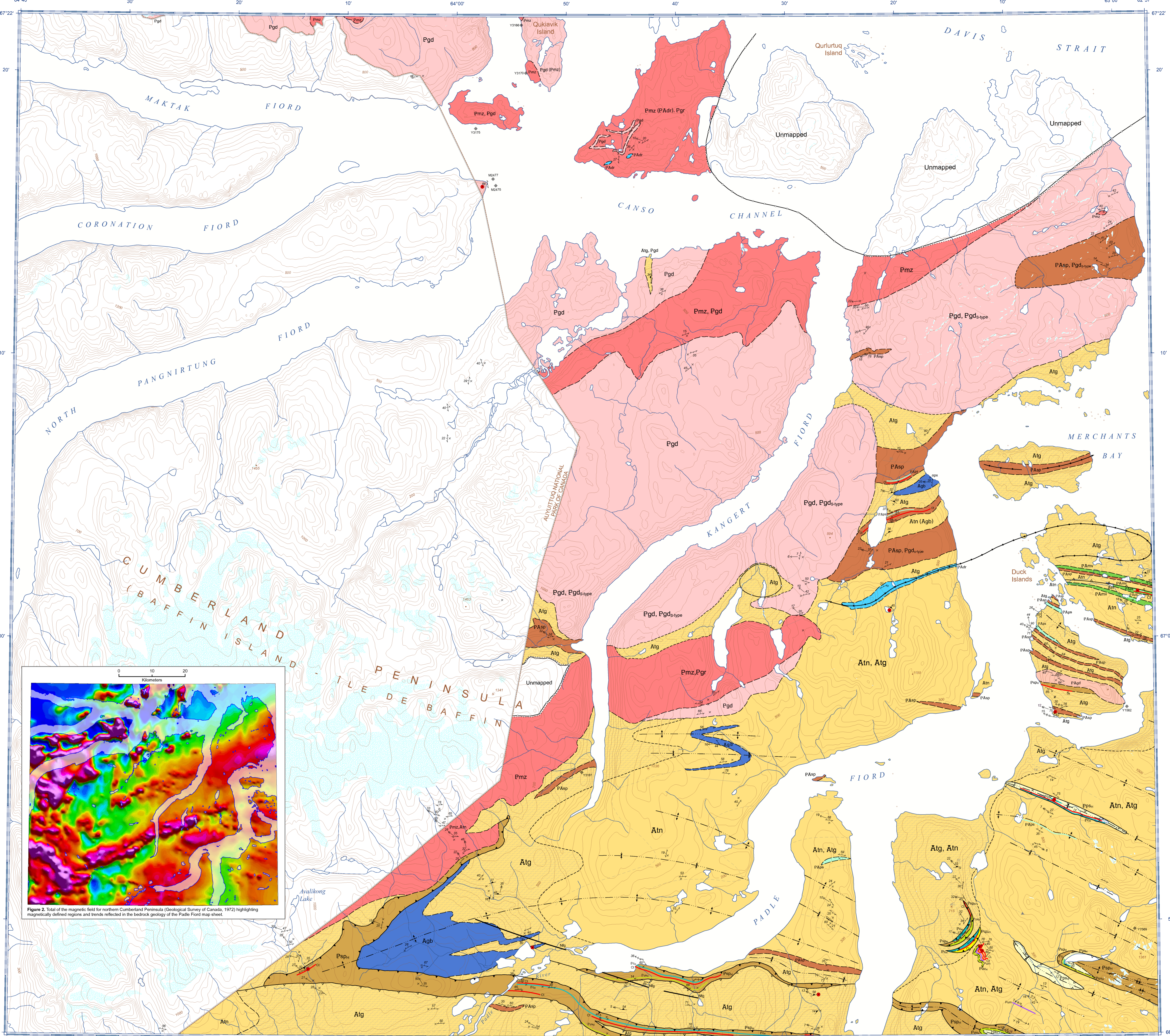


DESCRIPTIVE NOTES
The Padle Fiord map sheet, northern Cumberland Peninsula, Baffin Island, eastern Arctic, narrow bands of supracrustal rocks, and relatively homogeneous, variably foliated Palaeoproterozoic monzogranite, charnockite and gabbro...



LEGEND
QUATERNARY: Pleistocene-recent, Unconsolidated deposits, mainly glacial till and fluvial deposits.
CENOZOIC: Paleocene, Basaltic tuffs, Fluvial gravels, basalt flows and breccias with local underlying pyroclastic sandstone, sand, conglomerate and coal (Clarke and Ligon, 1971).
NEOPROTEROZOIC ca. 723 Ma: Diabase dyke, WNW-trending, medium brown weathering, coarse-grained, magnetite-bearing gabbro dykes of the ca. 723 Ma Franklin swarm (Forsman et al., 1992), typically 1-3 m wide, up to 6 m wide; local faults (Cape York).

Abstract
Cumberland Peninsula, Baffin Island is an orogenic, tectonically significant domain. Paleoproterozoic igneous rocks, including a large volume of felsic rocks, are emplaced in a region of Paleoproterozoic plutonic rocks with evidence of 2.7-2.9 Ga mafic dykes. The gabbro is a mafic dyke with a complex internal structure...

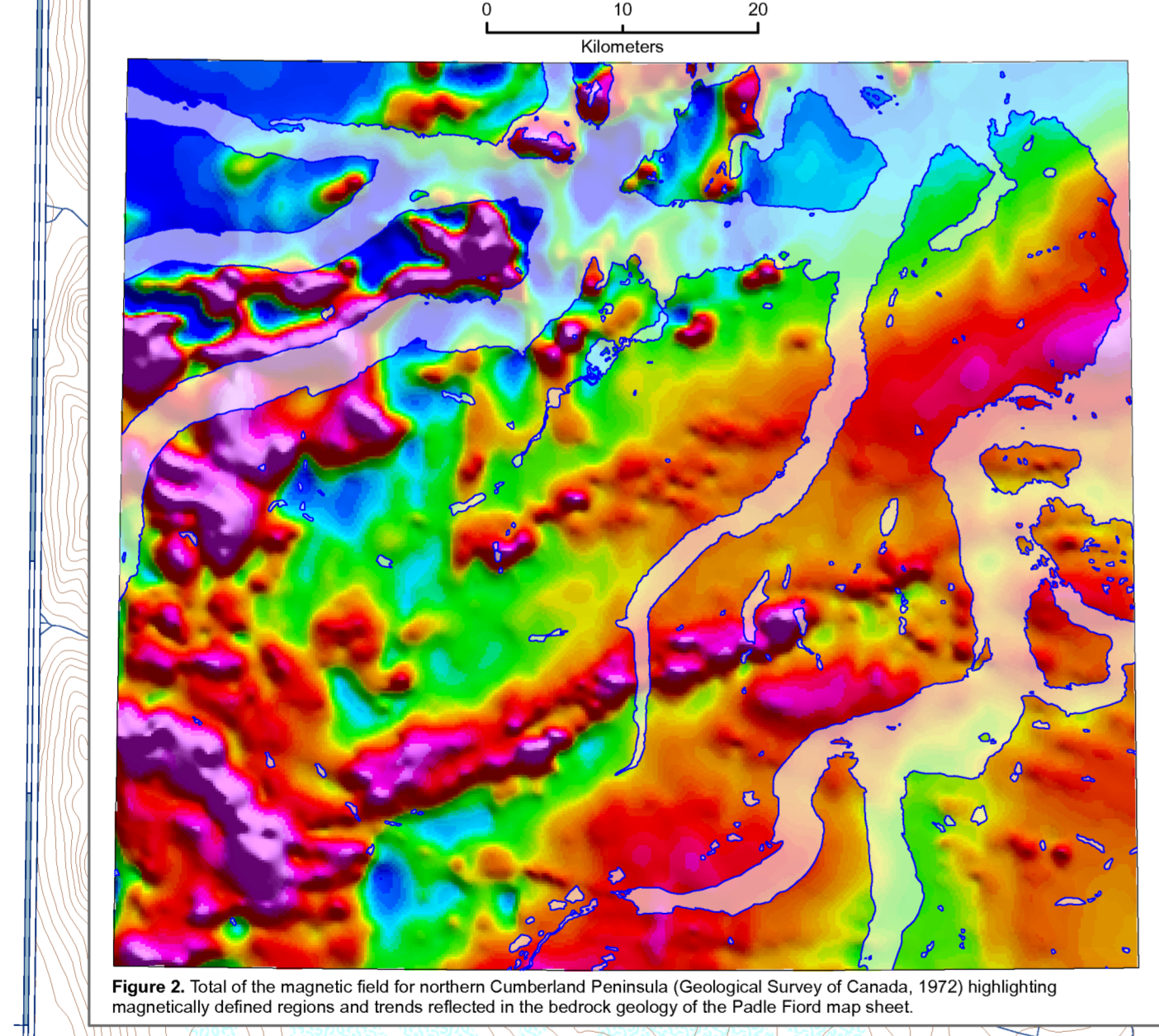


Figure 2. Total of the magnetic field for northern Cumberland Peninsula (Geological Survey of Canada, 1972) highlighting magnetically defined regions and trends reflected in the bedrock geology of the Padle Fiord map sheet.

CANADIAN GEOSCIENCE MAP 37
GEOLOGY
PADLE FIORD
Baffin Island, Nunavut
1:100 000
Authors: M. Sarbat-Baron and M. Young
Geology by M. Sarbat-Baron, M. Young, B. Hamblin, C. Nagy, E. Kern, G. Dabkowski, B. Hilary, A. Whalen, and R. Rayner. Geological Survey of Canada, 2010-2012.