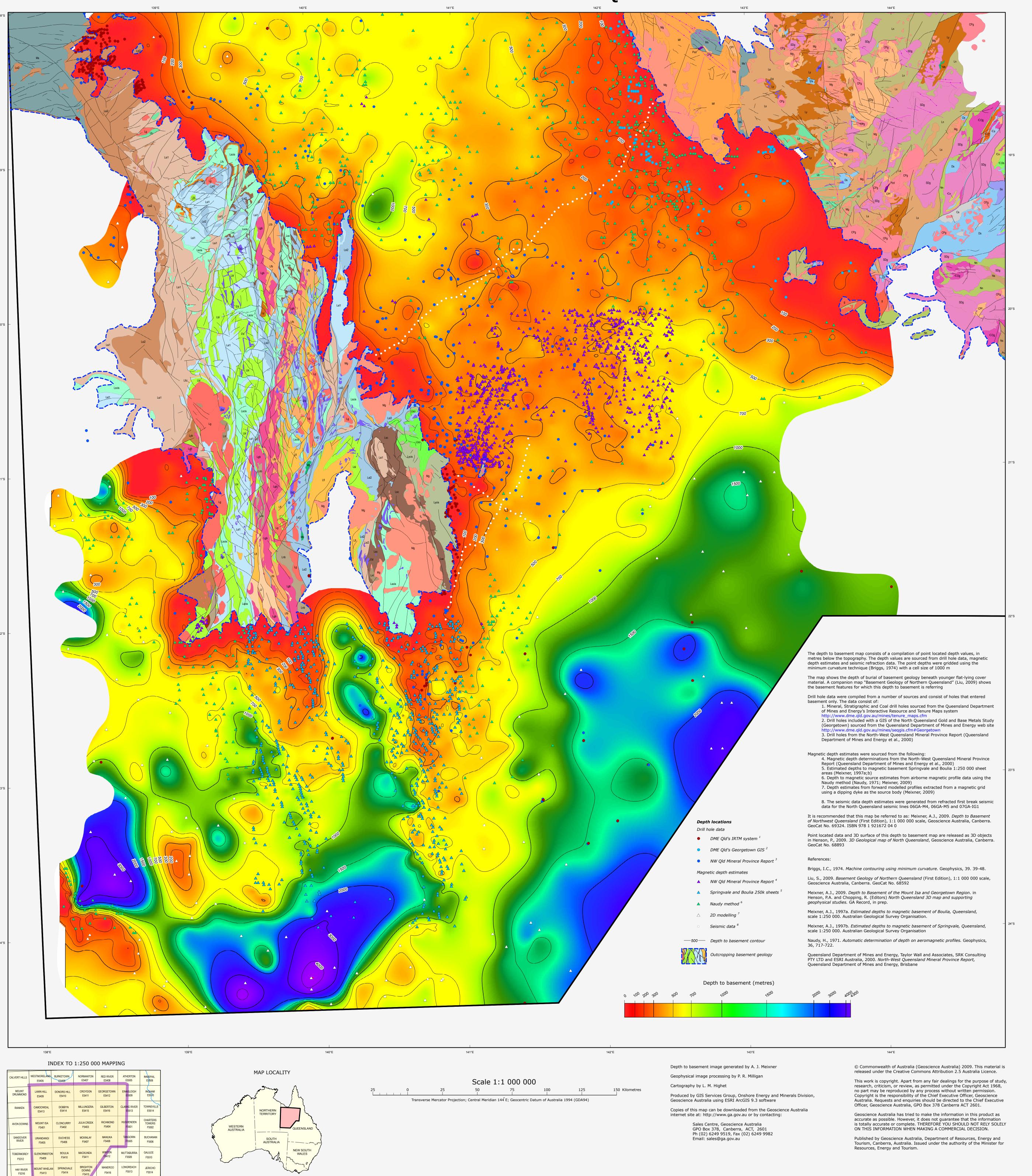
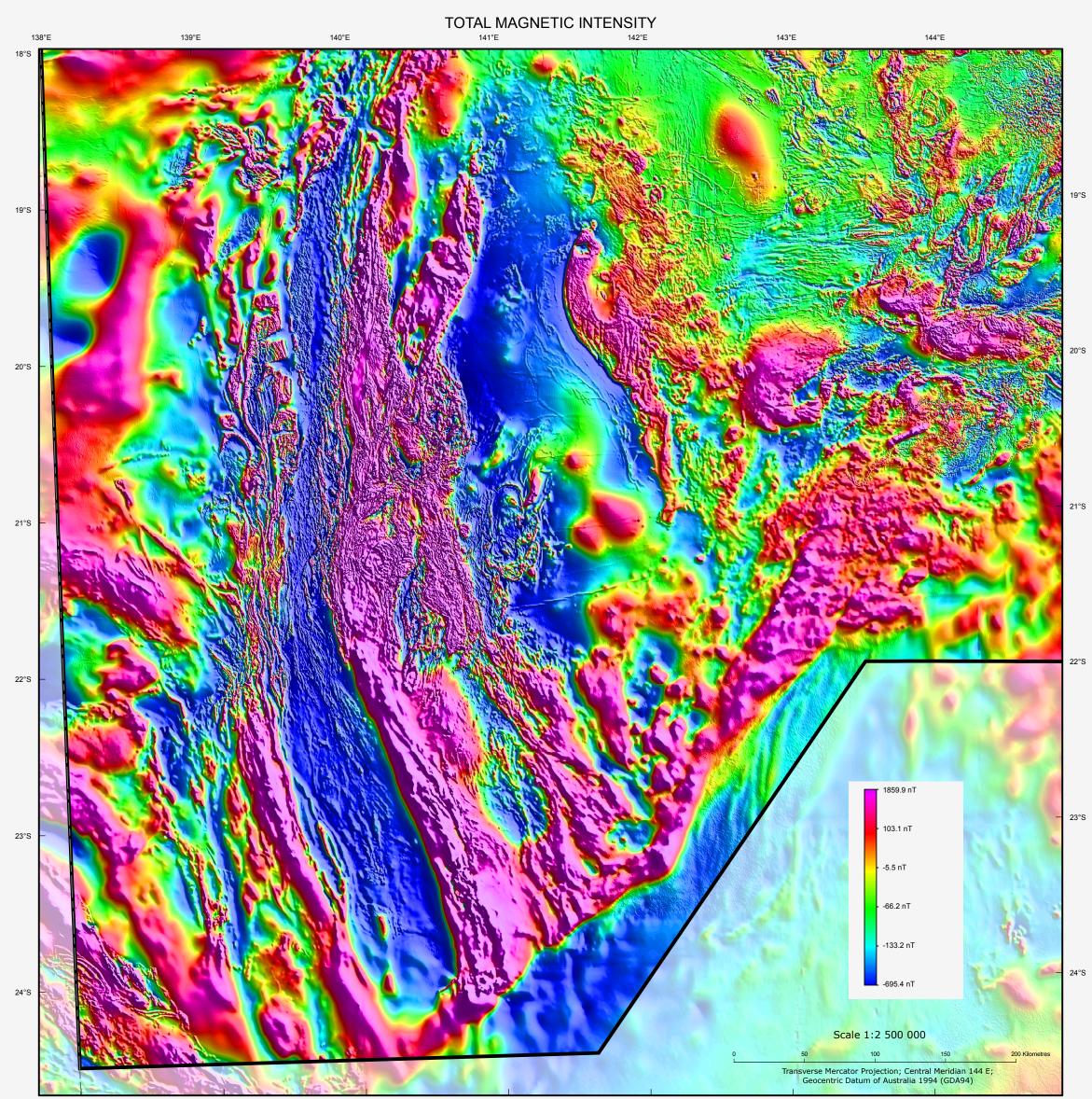
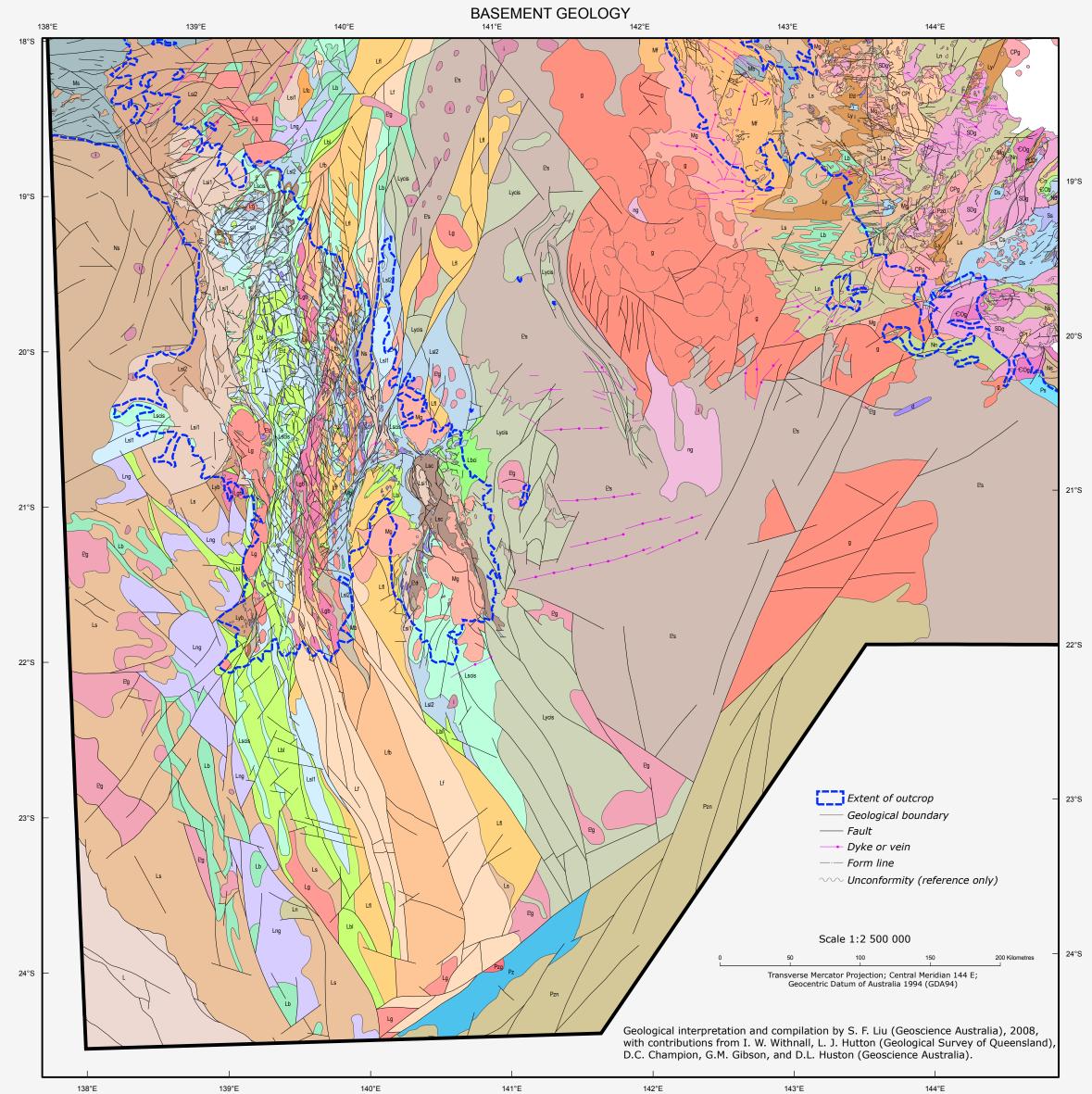
DEPTH TO BASEMENT OF NORTHWEST QUEENSLAND



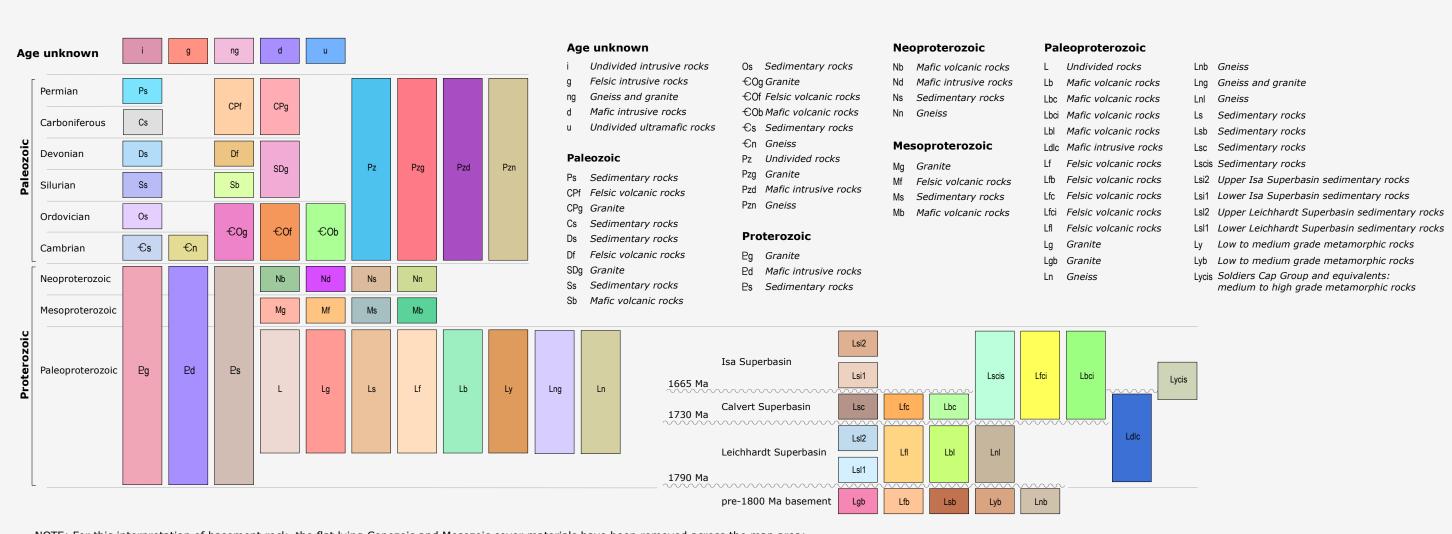


139°E 140°E 141°E 142°E 143°E

A pseudocolour image of the total magnetic intensity (TMI) (reduced to the pole), with a "sun-angle illumination" from the north-east. Separate survey grids of TMI data have been merged into the composite grid from which this image is derived, with original survey data acquired by the Department of Mines and Energy, Queensland and Geoscience Australia.



This "basement" geology interpretation drew extensively on published 1:100 000, 1:250 000 and smaller scale regional geological maps and the analysis of grids of regional aeromagnetic data with line spacings between 100 m and 1.5 km from Geoscience Australia's aeromagnetic database. Bouguer Gravity and bore hole data were also used to complement the interpretation.



NOTE: For this interpretation of basement rock, the flat lying Cenozoic and Mesozoic cover materials have been removed across the map area; Paleozoic sediments have also been removed in the Mount Isa area in the west (north of the Diamantina Fault or northwest of the Thomson Orogen).

