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FIRST SYNTHETIC GEOLOGICAL MAP OF THE TERRE ADÉLIE CRATON – TERRE ADÉLIE AND GEORGE V LAND COAST (135°E – 145°E)

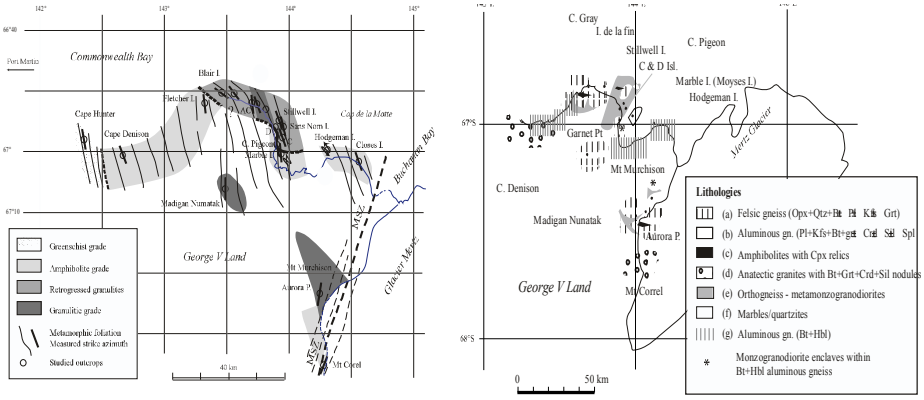
G. Duclaux[1], R.P. Ménot[1], S. Guillot[2], Y. Rolland[3], J-J. Peucat[4], C.M. Fanning[5], A. Pécher[2], J. Bascou[1], P. Rey[6]

[1]University Jean Monnet, CNRS UMR 6524, Saint Etienne, France, [2]University Joseph Fourier, UMR CNRS 5025, Grenoble, France, [3]University, CNRS Geosciences Azur, Nice, France, [4]CNRS Geosciences Rennes, Rennes, France, [5]PRISE, ANU, Canberra, Australia, [6]University Sydney, EarthByte group, Sydney, Australia

A reassessment of the Terre Adélie Craton (TAC) geology is proposed through the presentation of a synthetic geological map. It summarizes data arising from field investigations performed between 1991 and 2005 during the the French GEOLETA program in Terre Adélie and George V Land. Map projection has been chosen in UTM 53S to minimize distortion and rotation of the geological structures which could occur on a Polar Stereographic projection.

Mosaic of ASTER satellite images has been realized to provide a realistic coastline map between Mertz glacier and Rocher Janet and to assess island relative positions (a low resolution version of the mosaic is available at http://guillaume.duclaux.free.fr, full resolution available on request).

The following maps represent extracts from the easternmost region of the TAC (Ménot et al., 2005)



- Ménot R.P., Pêcher A., Rolland Y., Peucat J.J., Pelletier A., Duclaux G., Guillot S., 2005. Structural setting of the Neoarchean Terrains in the Commonwealth Bay area (143-145°E), Terra Adélie Carton, East Antarctica, Gondwana Research. Vol.8, pp.1-9.