



BAS GEOMAP 2 Series, Sheet 8, Edition 1

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r Island
ntrill and D.I.M. Macdonald. and layout by T.R. Riley and se.
map of Alexander Island, vey, Cambridge, UK. nited Kingdom. This geological I rights reserved.
or snow) TIC AND METAMORPHIC ROCKS
<b>Rouen Intrusive Complex</b> c.56 Ma. At least five mappable intrusions ranging from granite to diorite emplaced at shallow crustal levels. G: granite; Gd: granodiorite; To: tonalite; D: diorite.
<b>LeMay Group (mélange belt)</b> Thrust-bound allocthonous slices of blueschist facies oceanic crust, mudstones and radiolarian-bearing cherts. Possible seamount at Lully Foothills (1c). Likely emplacement age of c. 90 Ma.
Charcot Island Beds Weakly deformed sandstone- conglomerate-shale beds. Possible unexposed gabbroic basement (Charcot anomaly). c. 112 Ma. Gannon Nunataks Volcanic Beds Coarse grained volcaniclastic beds unconformably overlying the LeMay Group accretionary complex. c. 118 Ma.
owing event.
a.
<ul> <li>Fossil forest locality</li> <li>Significant plant fossil locality</li> <li>Significant invertebrate fossil locality</li> <li>Radiolaria-bearing cherts</li> </ul>
Ice shelf
ert Mountains, central Alexander Island. Field c Survey unpublished report. s in Elgar Uplands and Finlandia Foothills, northern h Antarctic Survey unpublished report. aceous to early Tertiary subduction history of the cal Society, London, 155, 255–268. torphic and thermal history of a fore-arc basin: the ctica. Journal of Petrology, 45 (7), 1453–1465. mentological studies in south eastern Alexander Antarctic Survey unpublished report. ostratigraphy of the uppermost Fossil Bluff Group arctica: history of an Albian regression. Cretaceous
of parts of the eastern LeMay Range and G11. British Antarctic Survey unpublished report. of parts of northern Alexander Island and the 2R/1986/G5. British Antarctic Survey unpublished nary melange, Alexander Island, Antarctica. In J. <i>icchanisms, Rheology and Tectonics. Geological</i> 16. ectonics within the Antarctic Peninsula fore-arc. In
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