



Geophysical Data Release West Tanami Region, WA.

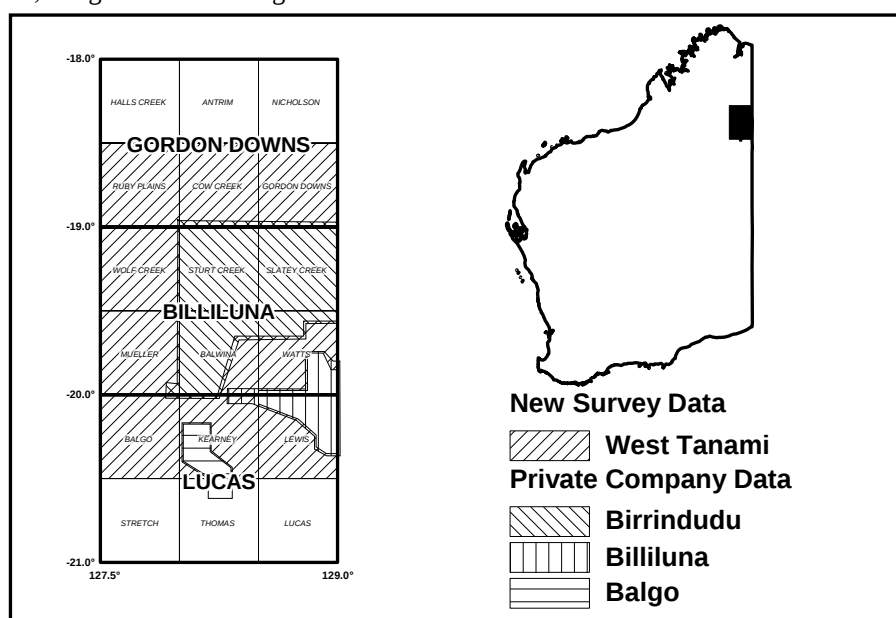


The Geological Survey of Western Australia (GSWA) and Geoscience Australia (GA) announce the release of airborne geophysical data over the west Tanami region of Western Australia covering the Billiluna 1:250 000 Sheet area and parts of the Gordon Downs and Lucas 1:250 000 Sheet areas.

The Tanami region is one of the most exciting new gold provinces in Australia. Since the mid 1980s over 10 million ounces of gold have been discovered in this poorly outcropping region of Paleoproterozoic sediments, volcanics and granitoids that straddles the border of Western Australia and the Northern Territory.

New data in this release comprise magnetic, gamma-ray and elevation located data and grids from a survey flown for GSWA and GA by UTS Geophysics in 2002. Data from 3 private company surveys flown between 1989 and 1995 have also been acquired to complete the coverage. The survey areas are shown in the diagram below.

Note: Point located data from the private company surveys are not included in this data release. These data will be available for public release on 1 July 2003. Included in this release is a single magnetic grid image covering the entire area, incorporating magnetic data for Birrindudu and Billiluna gridded using a 400m cell-size, and Balgo using a 50m cell size, merged with an 80m grid from the new data.



The new survey was flown between July and August 2002 and produced 68 000 line km of geophysical data. Flight lines were flown north-south at 60 metres above ground level and spaced 400 metres apart. Magnetic data were sampled every 0.1 seconds (~ 7 metres), and gamma-ray spectrometric data were sampled every 1 second (~ 70 metres). Navigation and flight path recovery information were provided by the satellite Global Positioning System (GPS). These GPS data were sampled every second (~70 metres).

The Birrindudu survey was flown in 1991 with north-south flight lines 300 m apart at a flying height of 70 m above ground level. The Billiluna survey was flown in 1989 with north-south flight lines 250 m apart at a flying height of 80 m above ground level. The Balgo survey was flown in 1995 with east-west flight lines 200 m apart at a flying height of 60 m above ground level.

Digital Data

Digital data (point located and gridded) on CD-ROM from:

Cost: A\$297 - 3 CDs (incl. GST; postage and packing extra).

The Sales Centre, Geoscience Australia
GPO Box 378 CANBERRA ACT 2601 AUSTRALIA
Telephone: (02) 6249 9519 Facsimile: (02) 6249 9982
E-mail: sales@ga.gov.au

Hardcopy TMI image

TMI pixel image colour plots at 1:500 000 scale from:

Cost: A\$27.50 per plot (incl. GST; postage and packing extra).

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E-Bookshop on-line from: www.doir.wa.gov.au

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www.doir.wa.gov.au/geology/

www.ga.gov.au/rural/