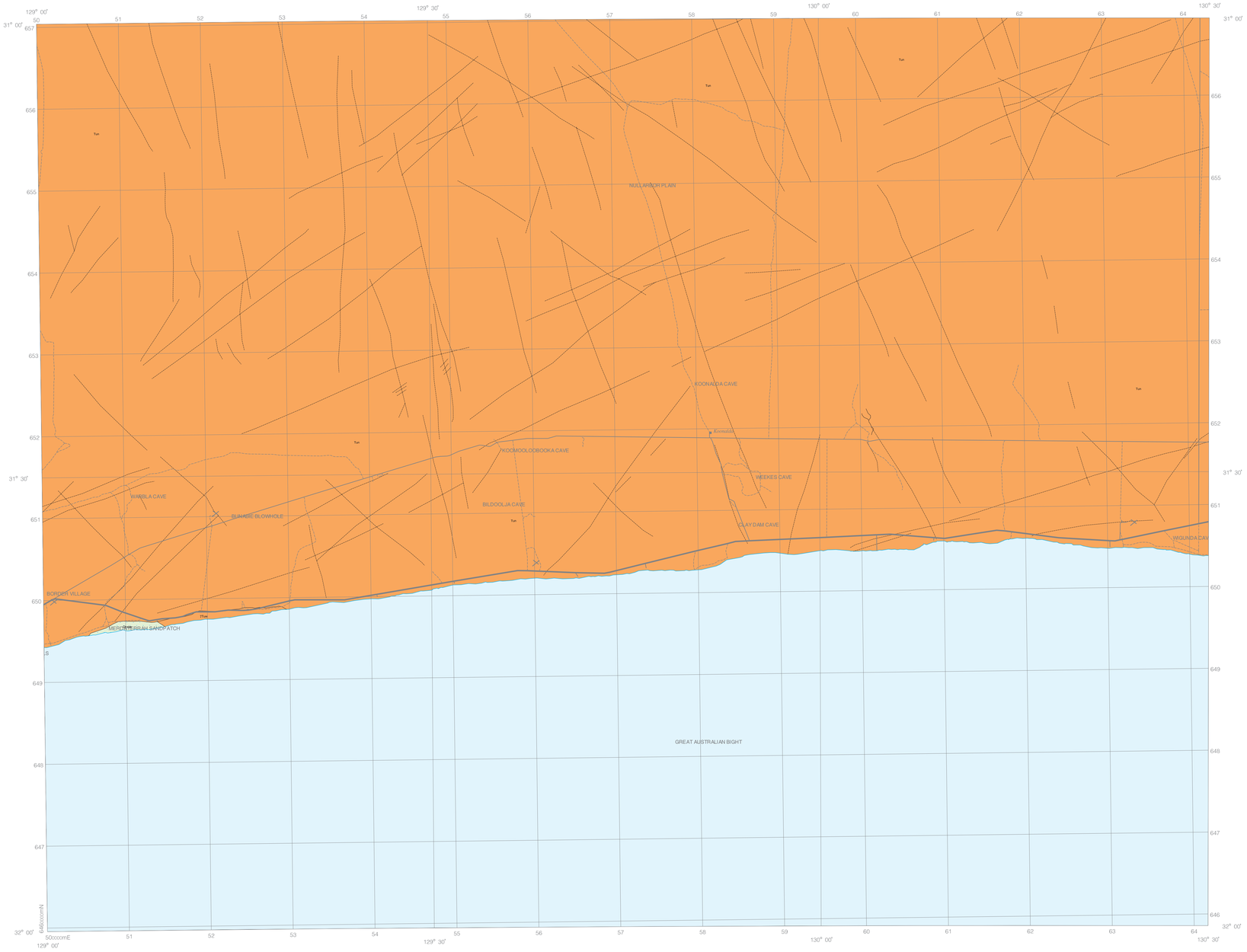
COOMPANA

GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT FOR MANUFACTURING, INNOVATION, TRADE, RESOURCES AND ENERGY

AUSTRALIA 1:250 000

S.A. GEOLOGICAL ATLAS SERIES SHEET SH 52-15



REFERENCE

HOLOCENE

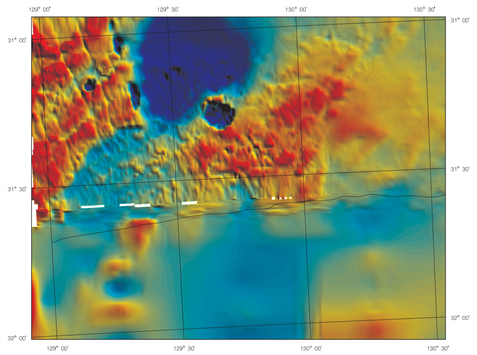
Qhcks — SEMAPHORE SAND MEMBER: Unconsolidated white bioclastic quartz-carbonate sand of modern beaches and transgressive dune fields.

EOCENE-MIOCENE

Tun — NULLARBOR LIMESTONE: Limestone, bioclastic, micritic, Subtidal, platformal, above fair weather wave-base.

Tuw — WILSON BLUFF LIMESTONE: Wackestone, white to grey; skeletal mudstone; rudstone and minor packstone. Locally laminations and scour channels, infilled with coarser material.

TOTAL MAGNETIC INTENSITY IMAGE



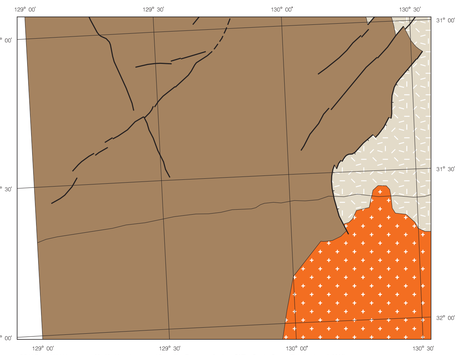
SCALE 1:1000000

The Total Magnetic Intensity Image has been compiled using aeromagnetic data from the Department of Primary Industries and Resources SA.
Aeromagnetic data has been merged, gridded and image processed by the Mineral Resources Group of the PIRSA Division of Minerals and Energy.

-220 1858 2246 2703 6367
nTesla

GDA GEOCENTRIC DATUM OF AUSTRALIA

SOLID GEOLOGY INTERPRETATION



SCALE 1:1000000

Modified from Interpreted Crystalline Basement Geology Of The Gawler Craton (Fairclough et al. 2003), Interpreted Solid Geology Of The Curnamona Province (Burtt and Betts, 2003), Musgrave Block, Central Australia: regional geology from interpretation of aeromagnetic data (Rankin and Newton, 2002), Solid Geology South Australia (Cowley, 2006).

- 7LM14 - 7Engenina Adamellite, Symons Granite, equivalents of Tunkillia Suite
- LM11
- M40
- Fault position accurate
- Fault normal ticks on younger rocks
- Fault position approximate

SCALE 1 : 250 000

KILOMETRES 5 0 5 10 15 20 25 KILOMETRES

Topographic detail based on TOPO-250K GEODATA (source scale 1:250 000) supplied by Geoscience Australia - National Mapping Division, ACT. The relationship between this data and PIRSA data is not guaranteed.

Computer generated from SA GEOLOGY database
(Digital data available upon request)
Current version 2011.1

Product of PIRSA Spatial Information Services.
Published by, and with the authority of, the Department for Manufacturing, Industry, Trade, Resources and Energy.

Grey numbered lines indicate the 10000 metre Map Grid
Transverse Mercator Projection, Geocentric Datum Australia, 1994.

Preliminary Geological Map prepared by photo interpretation of aerial photographs.

T. Baker, Ph.D., Manager, Geological Survey Branch.

DIGITAL EDITION
SUBJECT TO AMENDMENT
See published printed map for further information

Geological boundaries displayed on this map have been derived from geological interpretation and are not intended to be used for navigational purposes. Not all structures displayed in the legend are represented on this particular map.

Digital edition compiled by M. C. Fairclough.

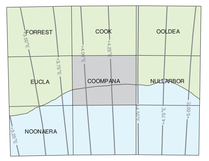
Copies of this map can be obtained from the Department for Manufacturing, Industry, Trade, Resources and Energy, Adelaide.

May 22, 2012

INDEX TO 1:100 000 SHEETS

INDEX TO ADJOINING 1:250 000 SHEETS

Magnetic Declination 2000
(Annual Variation +1.4 minutes)



GEOLOGICAL BOUNDARY
- OBSERVED
- INFERRED

FAULT
- OBSERVED
- INFERRED
- SHEAR ZONE

BEDDING
- TREND

RELIEF FEATURES
- SAND DUNE
- IDENTIFIED POINT
- SPOT HEIGHT
- TOPOGRAPHIC CONTOUR
- TOPOGRAPHIC DEPRESSION (PALAEODRAINAGE)

HYDROGRAPHIC FEATURES
- GEOLOGICAL LAKE

CULTURAL FEATURES
- HIGHWAY
- SECONDARY ROAD
- MINOR ROAD
- VEHICLE TRACK
- RAILWAY
- DISUSED RAILWAY
- FENCE
- POWER TRANSMISSION LINE
- PIPELINE
- BUILDING
- YARD
- LANDING GROUND
- TOWN OR LOCALITY

MINING
- DEPOSIT
- ALLUVIAL WORKING
- MINE
- OCCURRENCE
- PIT
- PROSPECT
- QUARRY
- TREATMENT PLANT
- FIELD

STRUCTURAL FEATURES

MYLONITIC FOLIATION
- INCLINED
- VERTICAL

METAMORPHIC LAYERING
- INCLINED
- VERTICAL

HORIZONTAL SEDIMENTARY BEDDING
- INCLINED
- VERTICAL
- HORIZONTAL

JOINT
- INCLINED
- VERTICAL

SLATY CLEAVAGE
- INCLINED
- VERTICAL

COLUMNAR JOINT AXIS
- INCLINED

VOLCANIC FLOW BANDING
- INCLINED
- VERTICAL

TECTONIC FOLIATION
- INCLINED
- VERTICAL

FOLDS
- S-STYLE GENERAL FOLD AXIS (S-FORM)
- Z-STYLE GENERAL FOLD AXIS (Z-FORM)

FOLDS
- S-STYLE STRATIGRAPHIC FOLD AXIS
- Z-STYLE STRATIGRAPHIC FOLD AXIS

SCHISTOSITY
- INCLINED
- VERTICAL

GNEISSOSITY OR GNEISSIC FOLIATION
- INCLINED
- VERTICAL

COMMODITIES

COOMPANA
SH 52-15