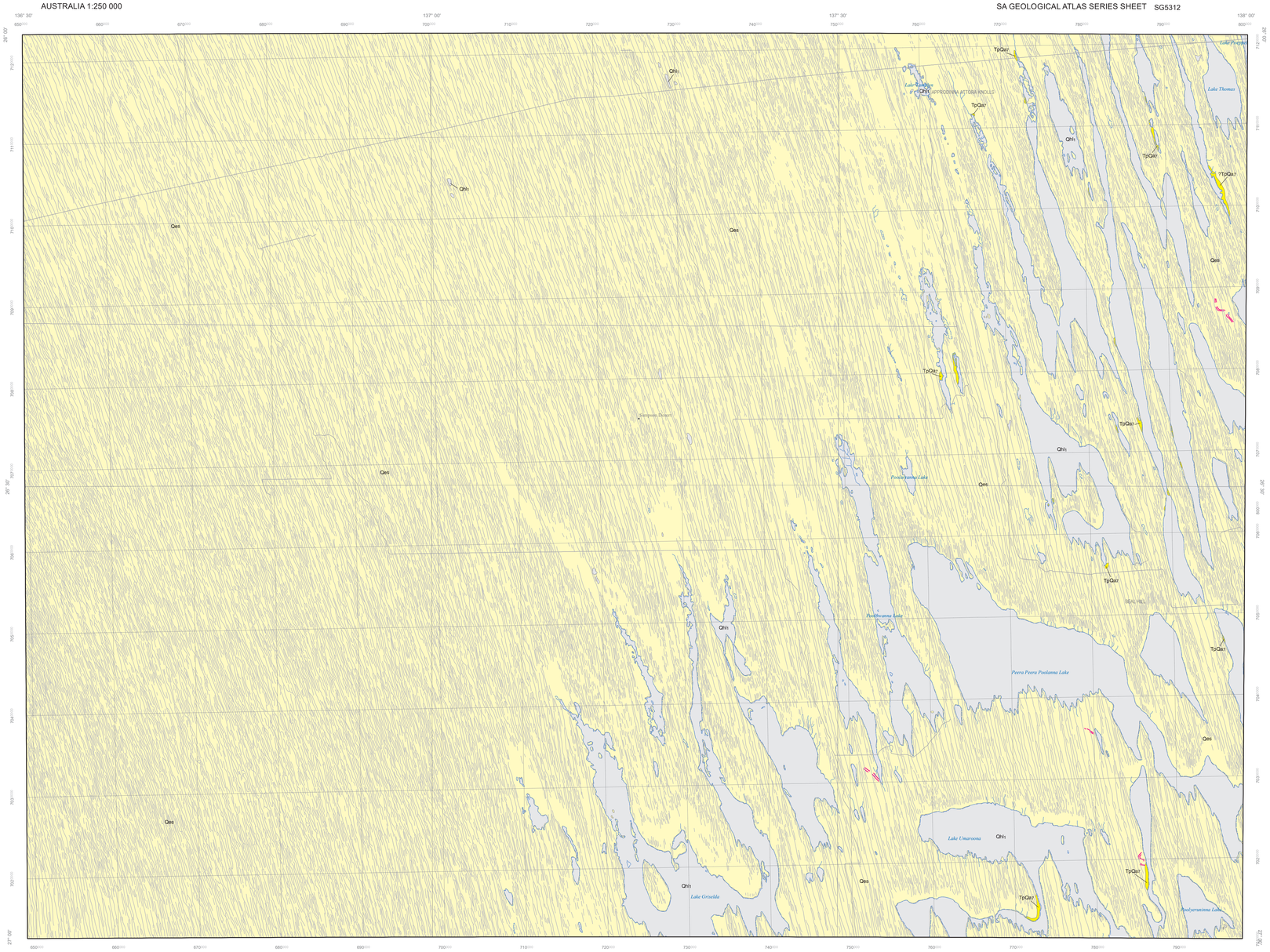
POOLOWANNA

GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT FOR ENERGY AND MINING

AUSTRALIA 1:250 000

SA GEOLOGICAL ATLAS SERIES SHEET SG5312



REFERENCE

HOLOCENE

Qh_1 — HOLOCENE LACUSTRINE/PLAYA UNIT 1: Holocene playa sediments.

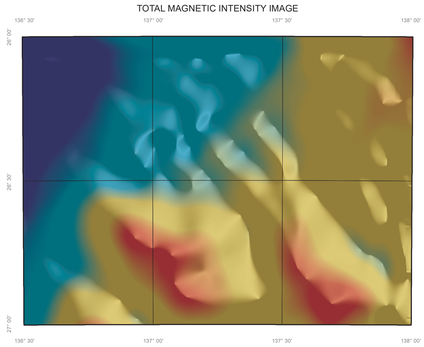
PLEISTOCENE-HOLOCENE

Qes — SIMPSON SAND: Quartz sand, dune sand, aeolian, clay pans.

PLIOCENE-PLEISTOCENE

$TpQa_7$ — PLIOCENE-PLEISTOCENE ALLUVIAL/FLUVIAL UNIT 7: Sand, clay, multi-coloured, crossbedded, in channels, some vertebrate remains, gypsified in places. Clay, coarse sand, gravel west of Lake Eyre. Fluvial and fluviolacustrine. Pliocene to Quaternary.

TOTAL MAGNETIC INTENSITY IMAGE



SCALE 1:1000000

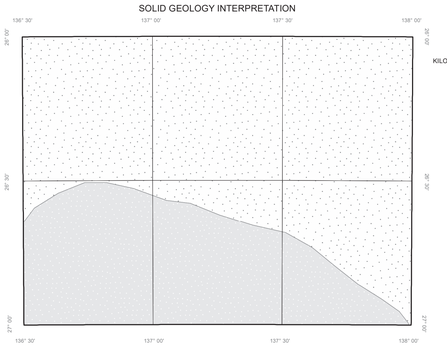
The Total Magnetic Intensity Image has been compiled using aeromagnetic data from the Department for Energy and Mining, South Australia. Aeromagnetic data have been merged, gridded and image processed by the Geological Survey of South Australia.

nTesla

-216.983 — -158.571 — -29.263 — 100.045 — 87.83

A two standard deviation contrast stretch has been applied to the raster image above.

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).

Solid Geology

AM2 — Archaean-Mesoproterozoic unit 2

LM12 — Palaeoproterozoic-Mesoproterozoic unit 12

SCALE 1:250,000

KILOMETRES 5 — 0 — 5 — 10 — 15 — 20 — 25 KILOMETRES

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2020

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 DEM data is not guaranteed.

Computer generated from SA_GEOLOGY database
(Digital data available upon request)
Current version 2018.Digital

Product of Spatial Information Services.
Published by, and with the authority of, the Department for Energy and Mining SA.

Grey numbered lines indicate the 10000 metre Map Grid
Transverse Mercator Projection, Geocentric Datum Australia, 2020.

The lake boundaries displayed on this map may have been derived from geological interpretation and may not match lakes interpreted by topographic mapping authorities. Not all structures are represented on this particular map.

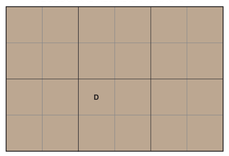
Compiled by A.F. Williams, B.Sc.(Hons), and B.C. Youngs, B.Sc.(Hons). Regional stratigraphy by G.W. Krieg, B.Sc.(Hons)

R.C. Cobcroft, Director, Geological Survey of South Australia.

Geological boundaries displayed on this map have been Derived from geological interpretation and are not intended to be used for navigational purposes.

Copies of this map can be obtained from the Department for Energy and Mining SA, Adelaide.
2020

GEOLOGICAL RELIABILITY DIAGRAM



Poolowanna sheet published 1973 — SCALE 1:2000000

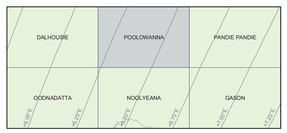
A: Detailed ground traverses
B: Image interpretation with limited ground traverses
C: Image interpretation with potentially some minor ground traverses
D: Image interpretation only

INDEX TO 1:100 000 SHEETS

Glen Joyce 6245	Padmuri 6345	Pillan 6445
Killumi 6244	Walkandi 6344	Poolowanna 6444

INDEX TO ADJOINING 1: 250 000 SHEETS

Magnetic Declination 2000
(Annual variation +1.4 minutes)



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

CULTURAL FEATURES

VEHICULAR TRACKS
IDENTIFIED POINT

HYDROGRAPHIC AND GEOMORPHIC FEATURES

INTERMITTENT LAKE
MINOR WATERCOURSE
SAND RIDGE

LINEAR STRUCTURES

PALAEOCHANNEL TRACE

GEOLOGICAL BOUNDARY

GEOLOGICAL BOUNDARY POSITION ACCURATE

Government of South Australia
Department for Energy and Mining

GDA2020

GEOLOGICAL SURVEY OF SOUTH AUSTRALIA

POOLOWANNA
SG5312