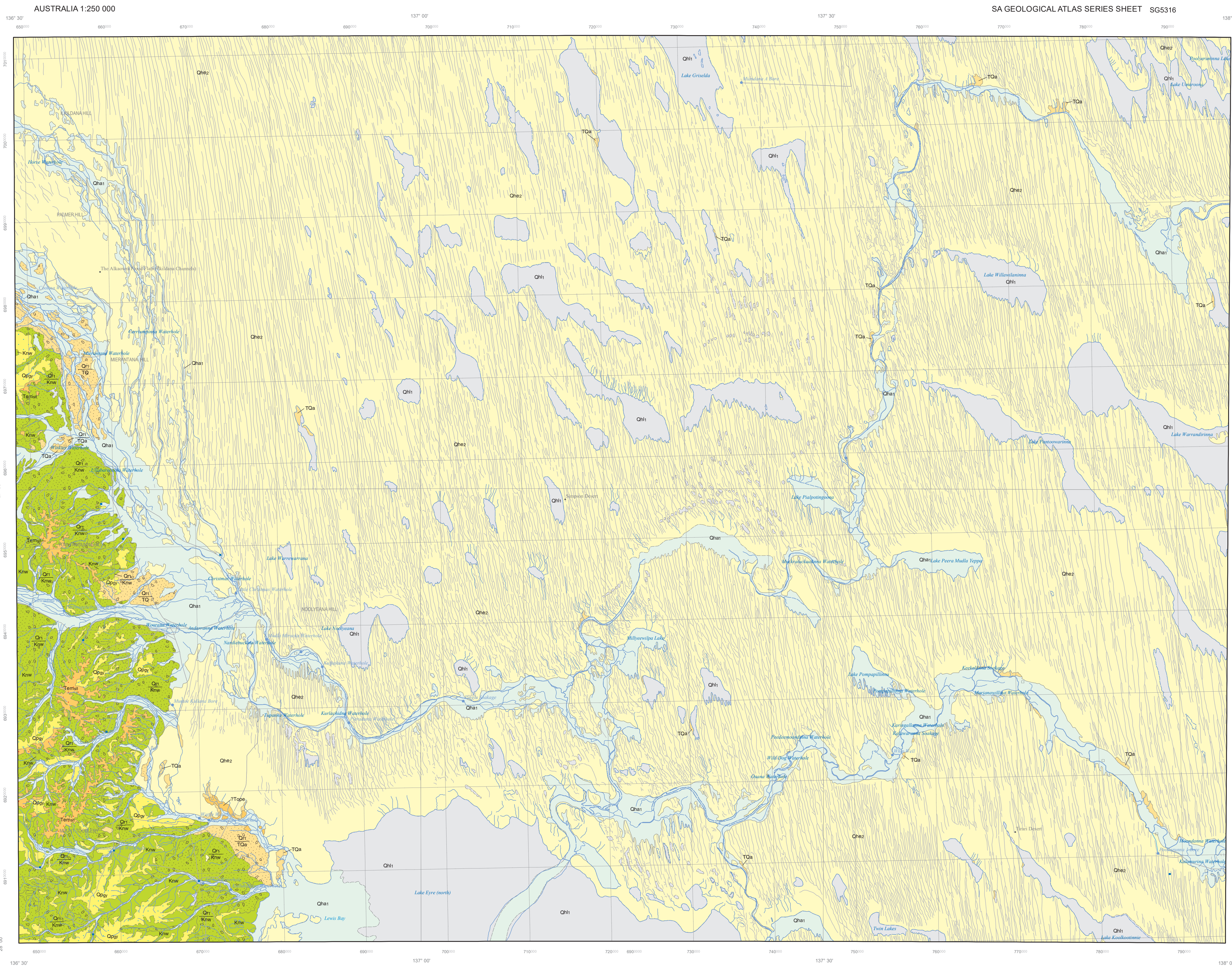


NOOLYEANA

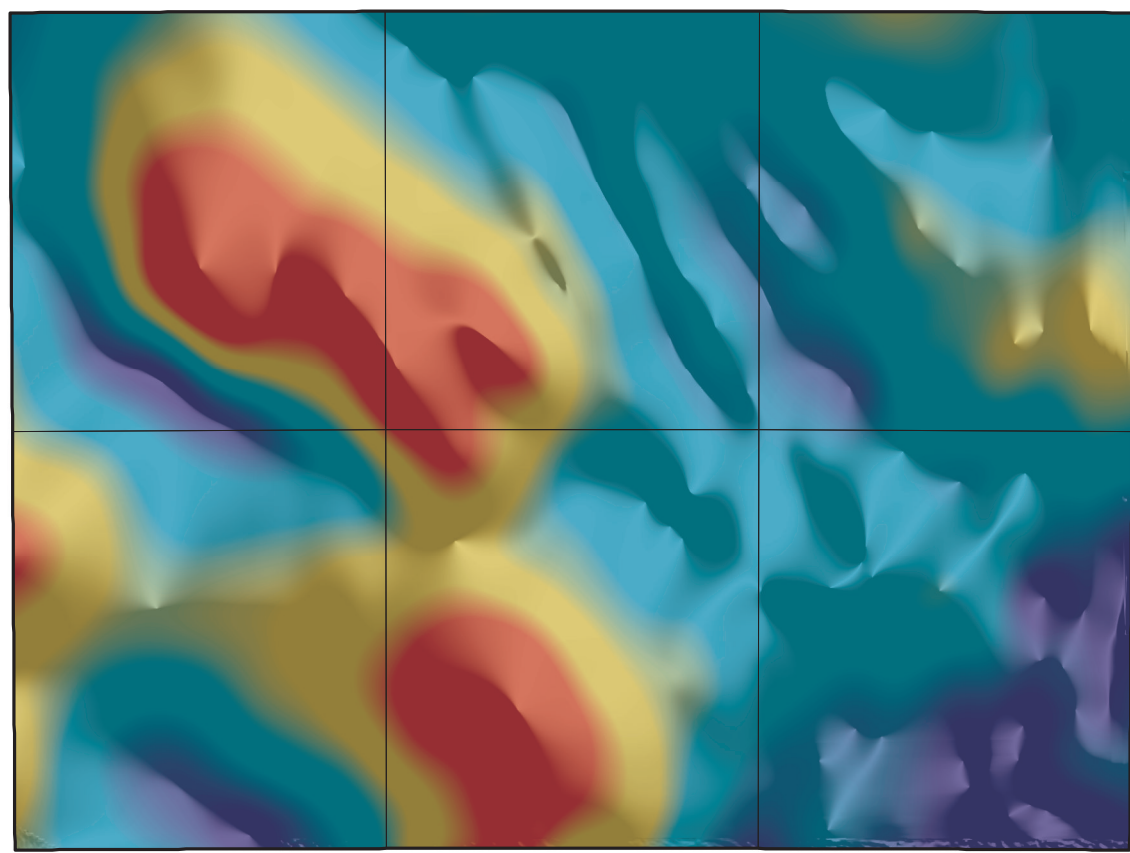
GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT FOR ENERGY AND MINING



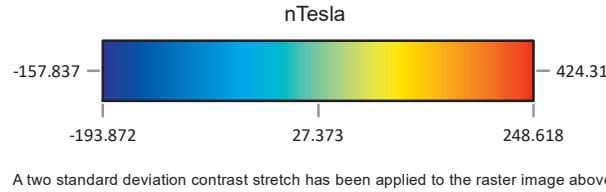
REFERENCE

HOLOCENE	
Qh ₁	HOLOCENE ALLUVIAL/FLUVIAL UNIT 1: Present day Holocene alluvium, recent landform.
Qh ₂	HOLOCENE AECLEAN UNIT 2: Holocene sand capping dunes in lowlands.
Qh ₃	HOLOCENE LACUSTRINE/PLAUA UNIT 1: Holocene playa sediments.
PLEISTOCENE-HOLOCENE	
Qh ₁	SMYTHON SAND: Quartz sand, dune sand, aeolian, clay pans.
Qh ₁ & Qh ₂	QUATERNARY RESOLUT/COLLAPSED UNIT 1: Quaternary glacial-marginal outwash. Based on G on MURDOCKPPE.
PLEISTOCENE	
Qp ₁	PLEISTOCENE GYPSITE: Unfossiliferous Pleistocene gypsites.
QUATERNARY-PLIOCENE	
Qp ₁	STACONIA FORMATION: White dolomite and limestone with green and gray Mg-rich claystone and fine-grained sand.
EOCENE-MIOCENE	
Qp ₁	EOCENE-MIOCENE SILICATE UNIT 1: Regionally older silicate, approx. Late Eocene-Mid Miocene.
TERTIARY-PLEISTOCENE	
TO	TERTIARY-PLEISTOCENE ROCKS: Unfossiliferous Tertiary to Pleistocene rocks.
TO ₁	TERTIARY-PLEISTOCENE ALLUVIAL/FLUVIAL SEGMENTS: Unfossiliferous Tertiary to Pleistocene alluvial/terrestrial sediments.
CRETACEOUS	
Kw	WINTON FORMATION: Shale, siltstone, sandstone. Non-marine, minor coal horizons.

TOTAL MAGNETIC INTENSITY IMAGE

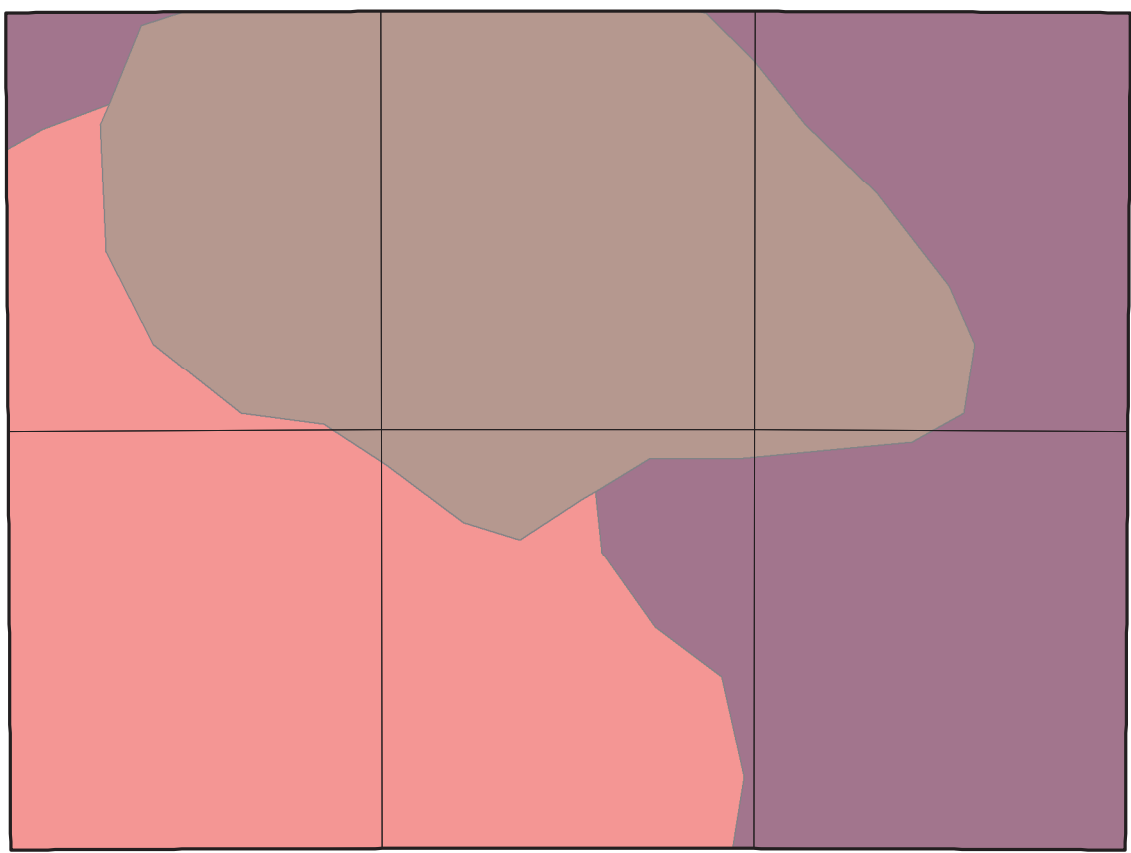


The Total Magnetic Intensity Image has been compiled using aeromagnetic data from the Department for Energy and Mining, South Australia. Aeromagnetic data have been merged, gridded and image generated by the Geological Survey of South Australia.



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

SOLID GEOLOGY INTERPRETATION



Modified from Interpretive Geology of the Central Cretaceous (Falkenberg et al. 2003).
Interpreted Solid Geology of The Commonwealth (Burt and Bell, 2003).
Mangrove Block, Central Australia, regional geology from interpretation of aeromagnetic data (Burt and Bell, 2003). Solid Geology (South Australia) (Cox, 2006).

Solid Geology	
EOu	Outcrop Group
EOu	Maria Group unit 5 - Observatory Hill Formation, Ancestralina Sandstone, Ancestralina Formation, Torrens rill Sandstone, Wintellia beds, equivalent
N	Neoproterozoic rocks

SCALE 1:250,000



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

Computer generated from SA GEOLOGY database
Current version 2018 Digital

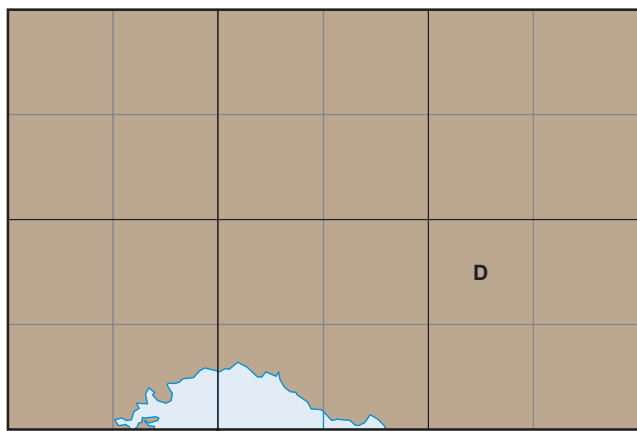
Product of Spatial Information Services
Published by and with the authority of the Department for Energy and Mining SA
Gray numbered lines indicate the 10000 metre Map Grid Transverse Mercator Projection, Geocentric Datum Australia, 2020.
The lake boundaries displayed on this map may have been derived from geological interpretation and may not match lakes interpreted by topographic mapping authorities.
Not all structures are represented on this particular map.

Mapping and Compilation by A.F. Williams, B.Sc.(Hons)

R.C. Coburn, 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



Noolyeana sheet published 1973

SCALE 1:250,000

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

Akaowra 6243	Monyardi 6343	Willawillanina 6443
Toddlery 6242	Kallakoppa 6342	Pompapillina 6442

INDEX TO ADJOINING 1:250 000 SHEETS
Magnetic Declination 2000
(Annual variation +1.4 minutes)

DALHOUSIE	POOLOWANNA	PANDE PANDIE
ODDANADATTA	NOOLYEANA	GASON
WARRINA	LAKE EYRE	KOPPERMANNA



CULTURAL FEATURES

VEHICULAR TRACKS
IDENTIFIED POINT
YARDS
.....

HYDROGRAPHIC AND GEOMORPHIC FEATURES

LAKE
INTERMITTENT LAKE
MAJOR WATERCOURSE
MINOR WATERCOURSE
FLOODPLAIN
WATERHOLE
BORE
WATER TANK
SAND RIDGE
.....

GEOLOGICAL BOUNDARY

GEOLOGICAL BOUNDARY POSITION ACCURATE
GEOLOGICAL BOUNDARY POSITION APPROXIMATE
.....