

Descubriendo el pasado para enseñar en el presente: patrimonio paleontológico y educación

Congreso Nacional de Enseñanza de Español en Australia 2026



1 Mayo 2026



Diego García-Bellido Capdevila
Adelaide University &
South Australian Museum



Early Earth to Blue Earth

Early Earth

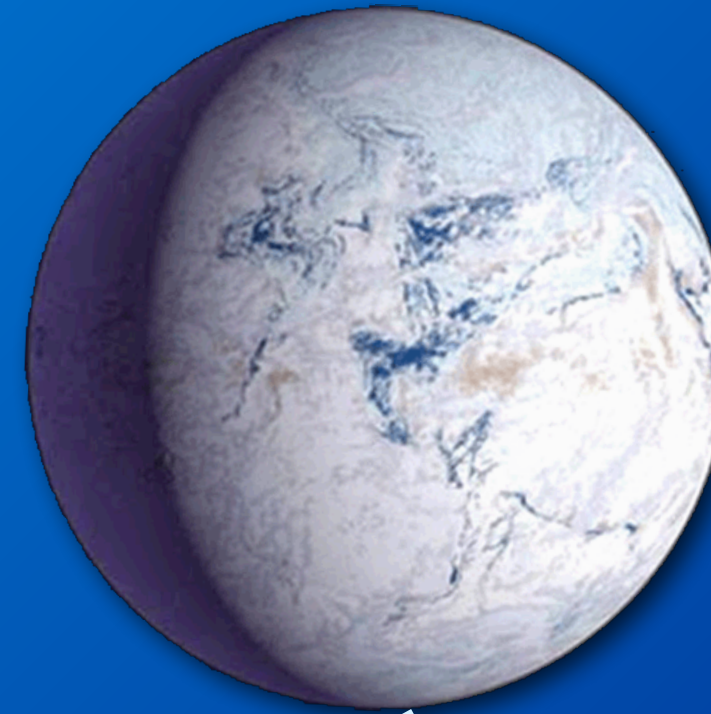


Microbial Earth

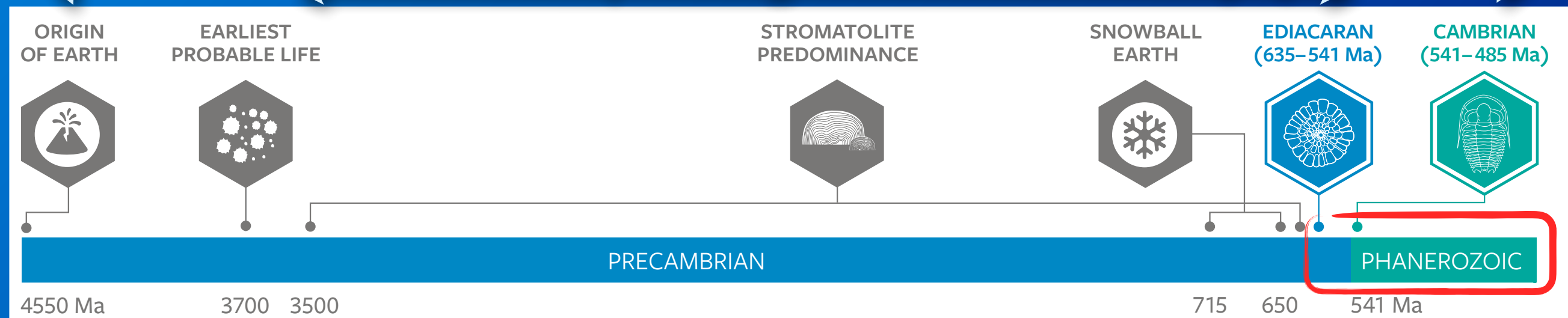


Stromatolites

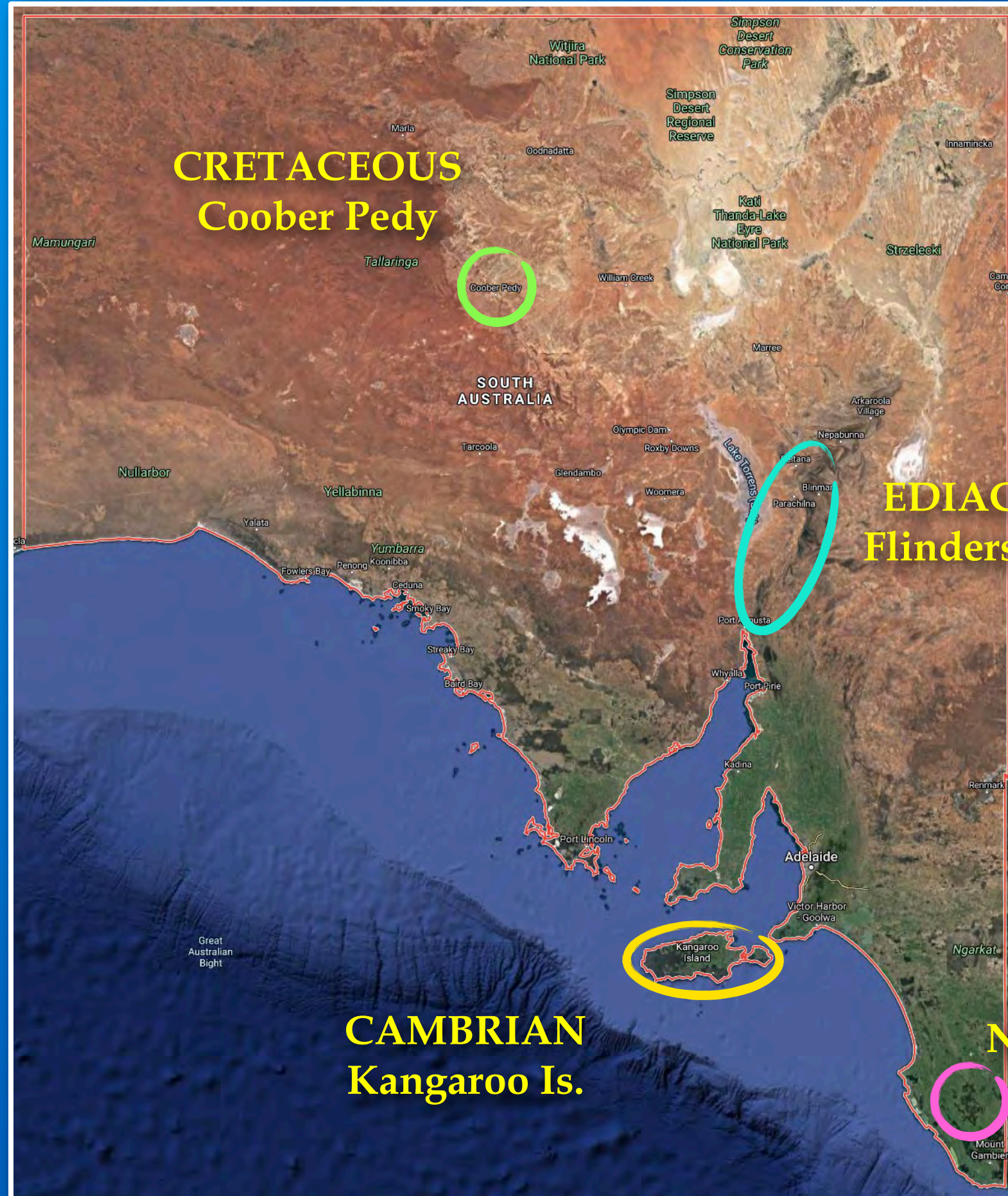
Snowball Earth
(Cryogenian)



Blue Earth



South Australian's internationally significant fossil sites



**CRETACEOUS
Coober Pedy**

**EDIACARAN
Flinders Ranges**

**CAMBRIAN
Kangaroo Is.**

**PLEISTOCENE-
HOLOCENE
Naracoorte Caves NP**

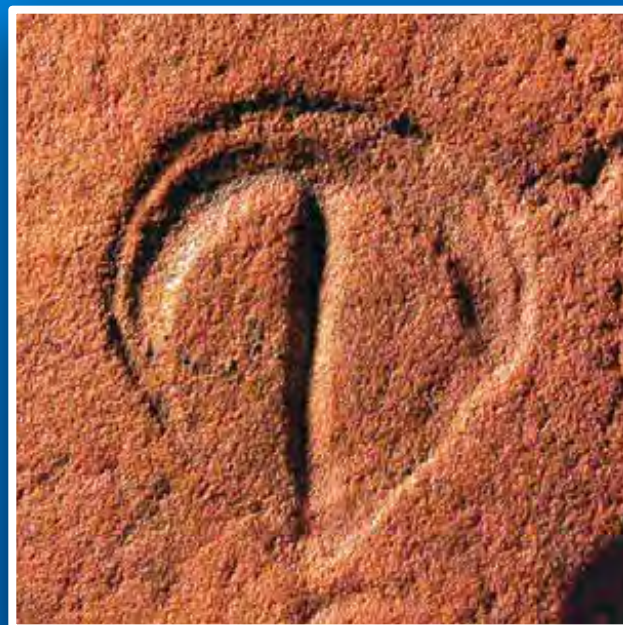
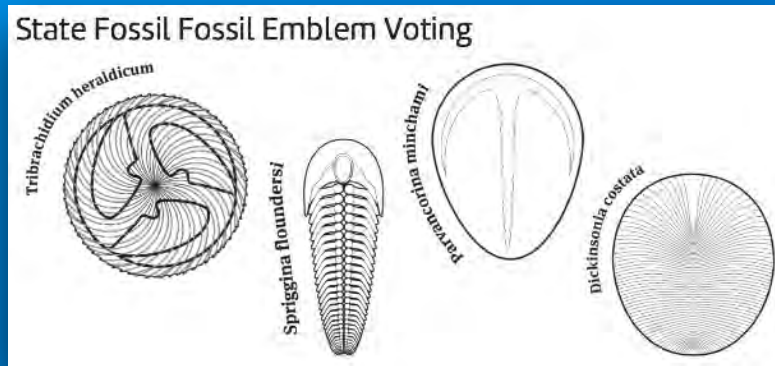
Ediacara Biota, South Australia (555 Ma)



Tribrachidium



Spriggina



Parvanchorina



Dickinsonia

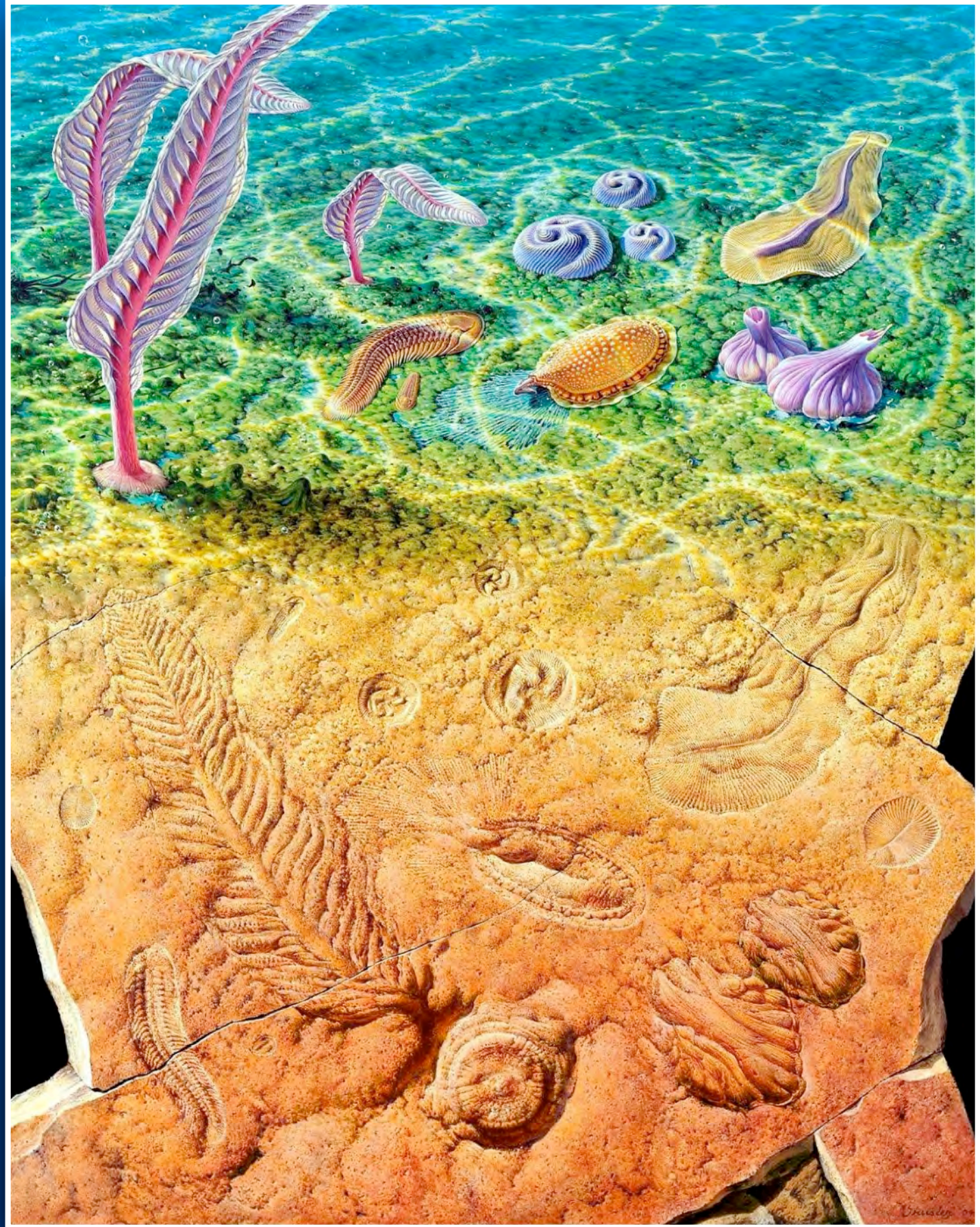


Image courtesy of Peter Trusler

Nilpena Fossil Site (555 Ma), Ediacaran

Excavations by Jim Gehling (SAM) and Mary Droser (U. California) since 2003



Nilpena Fossil Site (555 Ma), Ediacaran

Excavations by Jim Gehling (SAM) and Mary Droser (U. California) since 2003

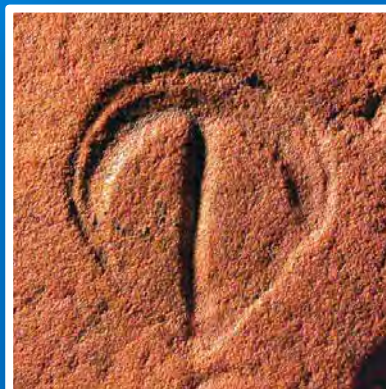


Tribrachidium



Spriggina

Parvanchorina



Dickinsonia



South Australian Government - A push for research and investment on Ediacaran fossils

SA Government acquires
Nilpena Station fossil site, March 2019

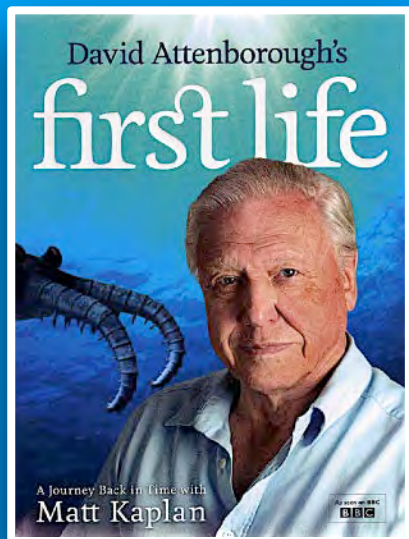


Nilpena Ediacara NP opening April 2023



Government of South Australia
Department for Environment
and Water

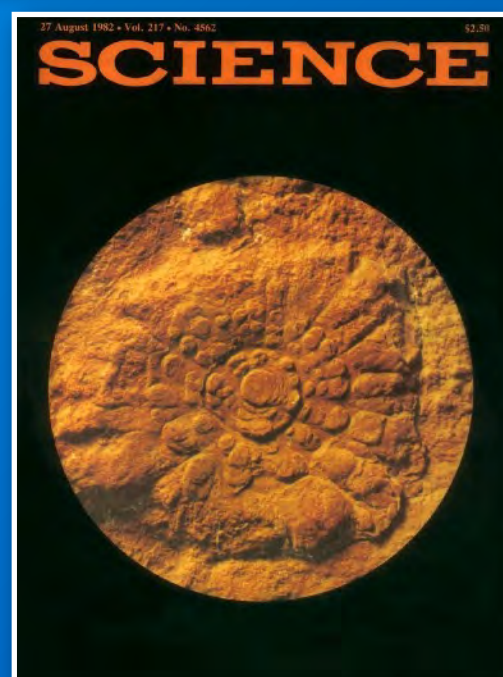
Sir David Attenborough at the South Australian Museum



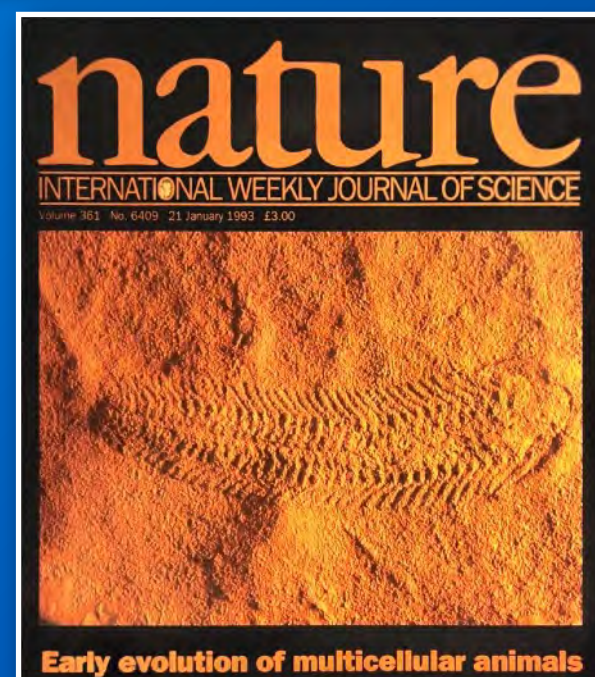
July, 2013



February, 2017



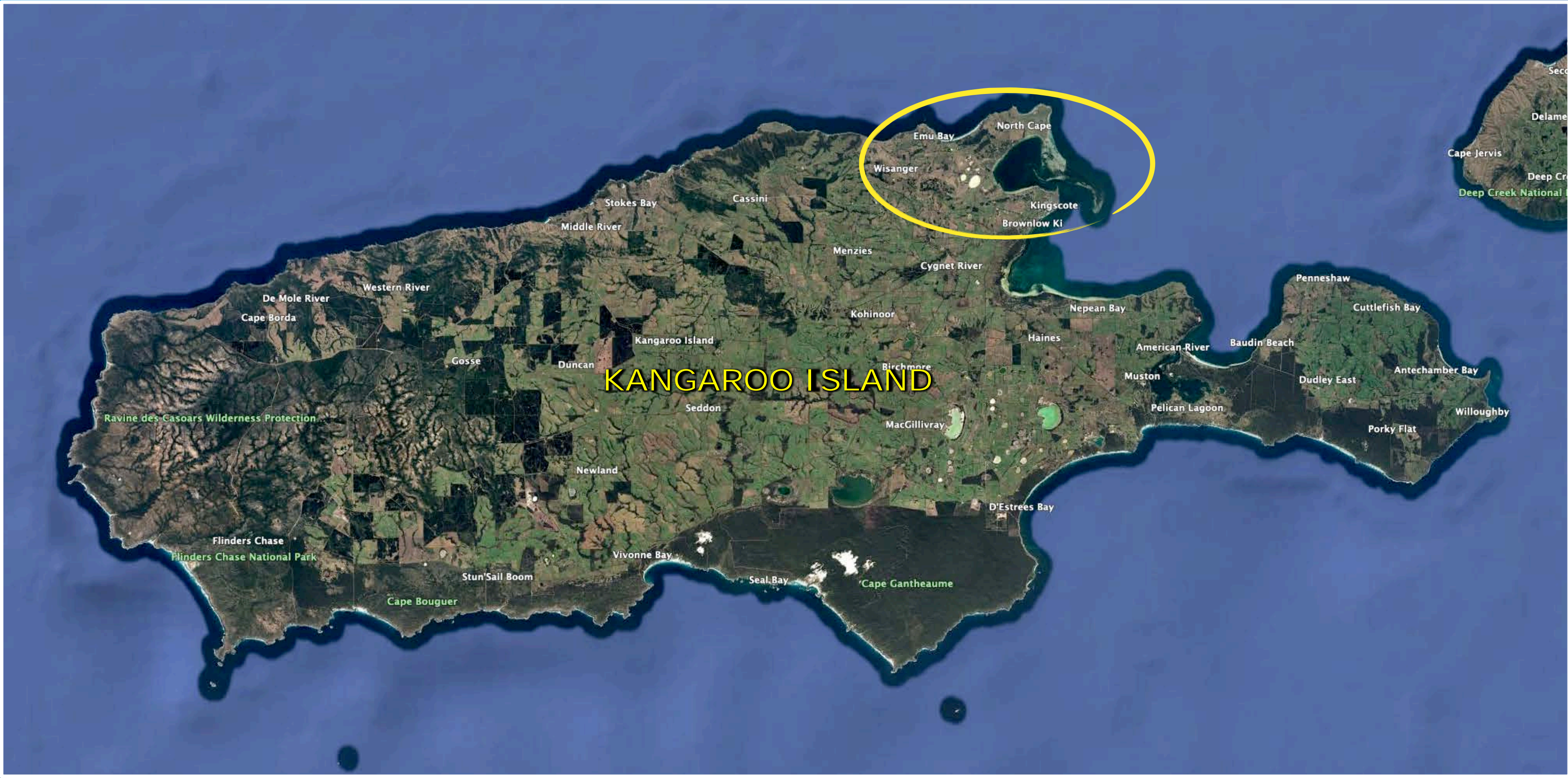
27 Aug 1982



21 Jan 1993



Emu Bay Shale, Kangaroo Island

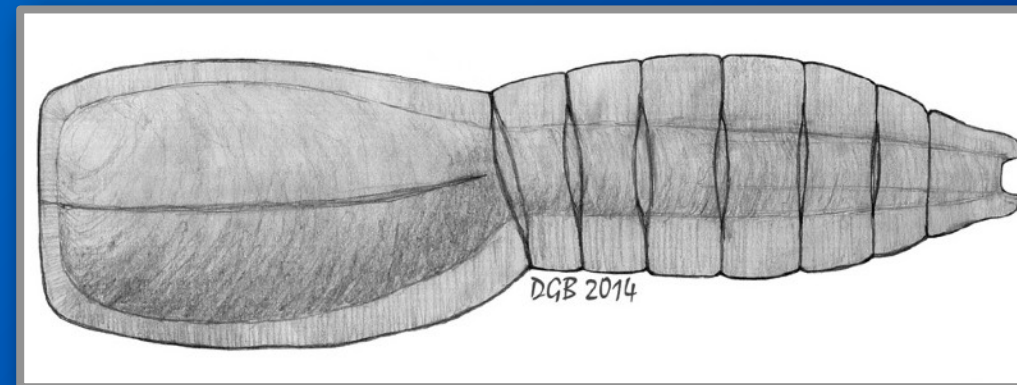
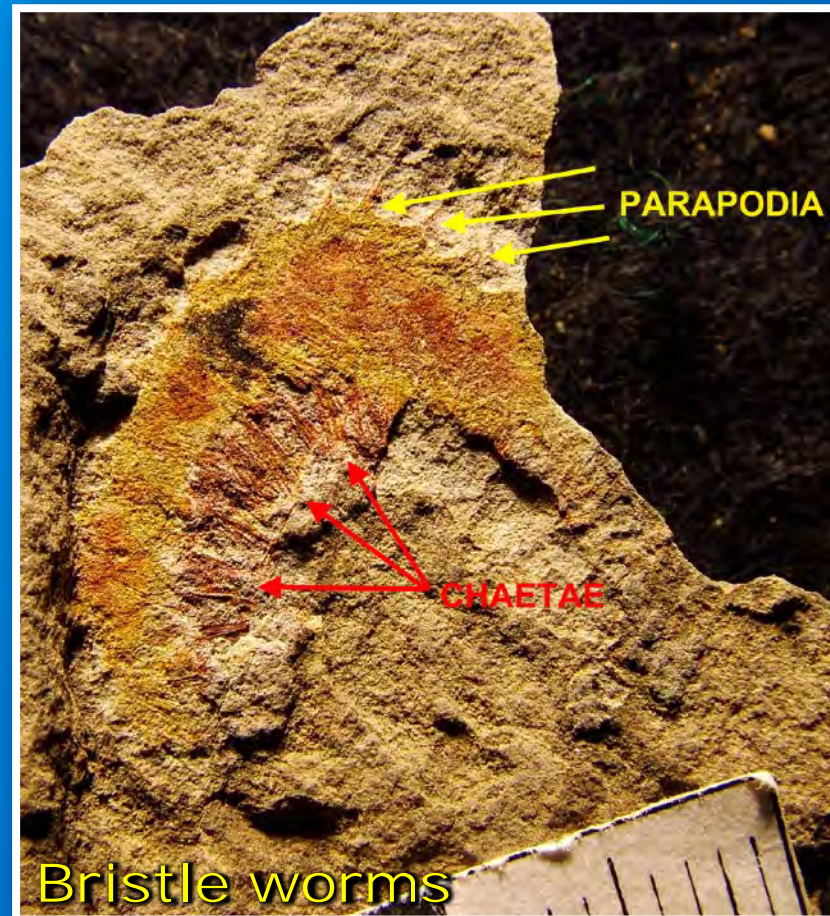
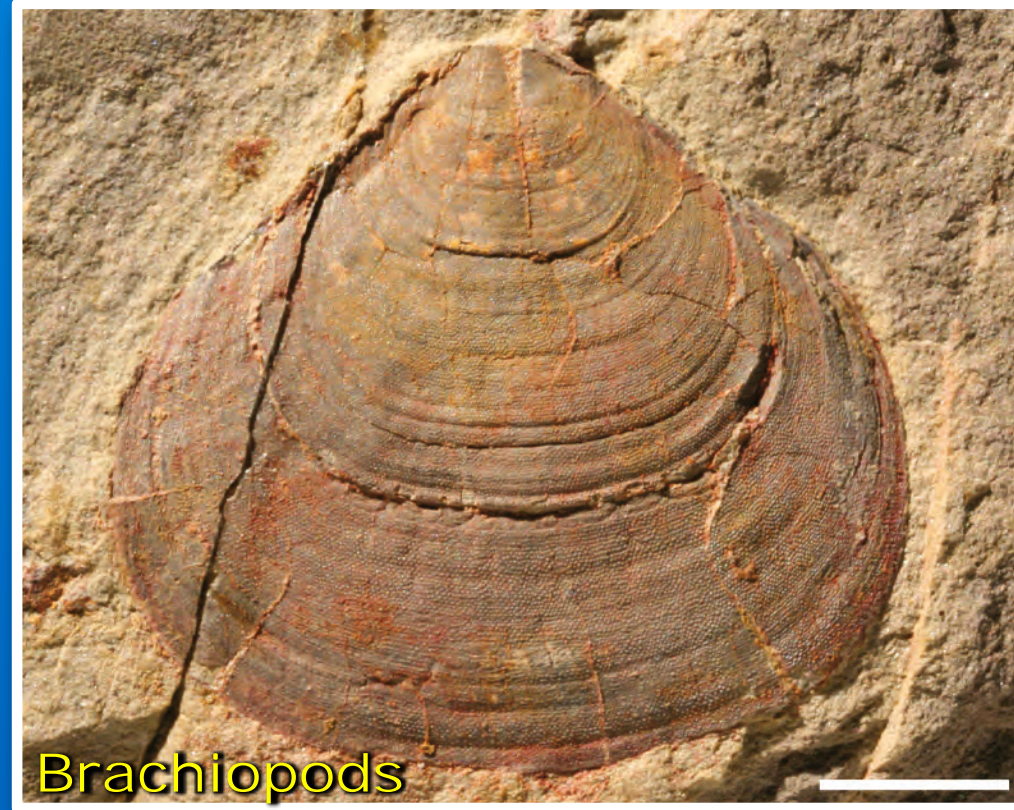


Excavations 2007-2019: Buck Quarry & Daily Quarry

2016



Emu Bay Shale, Kangaroo Island (515 million-years-old)



Most significant discoveries from Emu Bay Shale: 2011



**>500
million
years!**

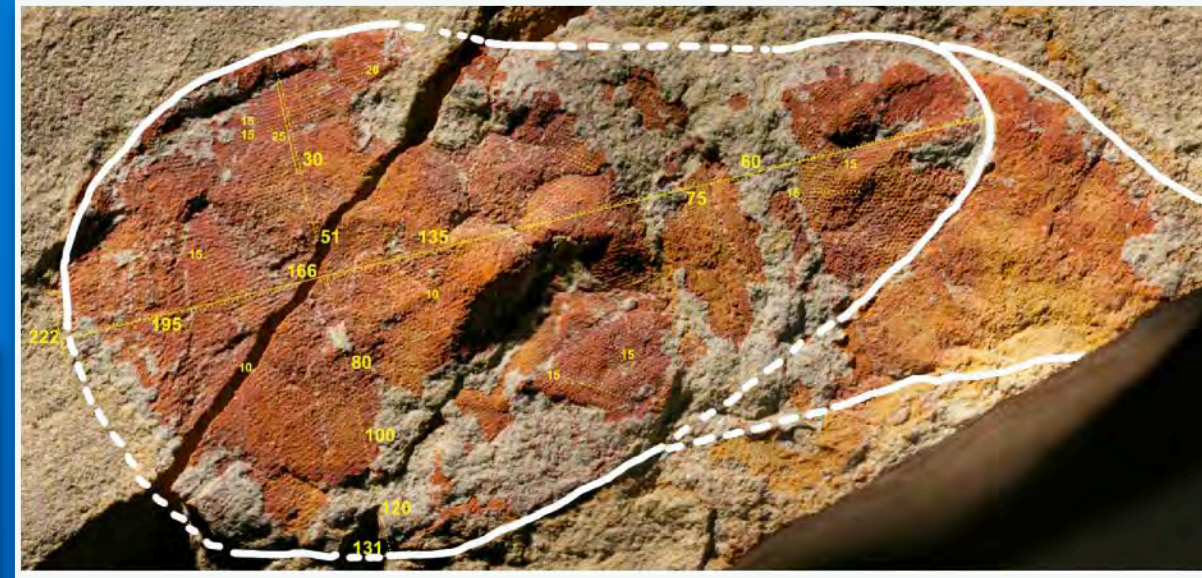
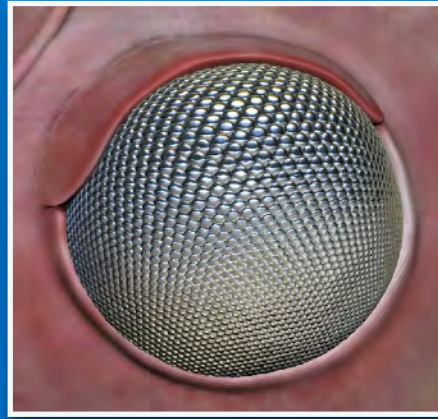


Significant discoveries from EBS: fossil compound eyes of *Anomalocaris*

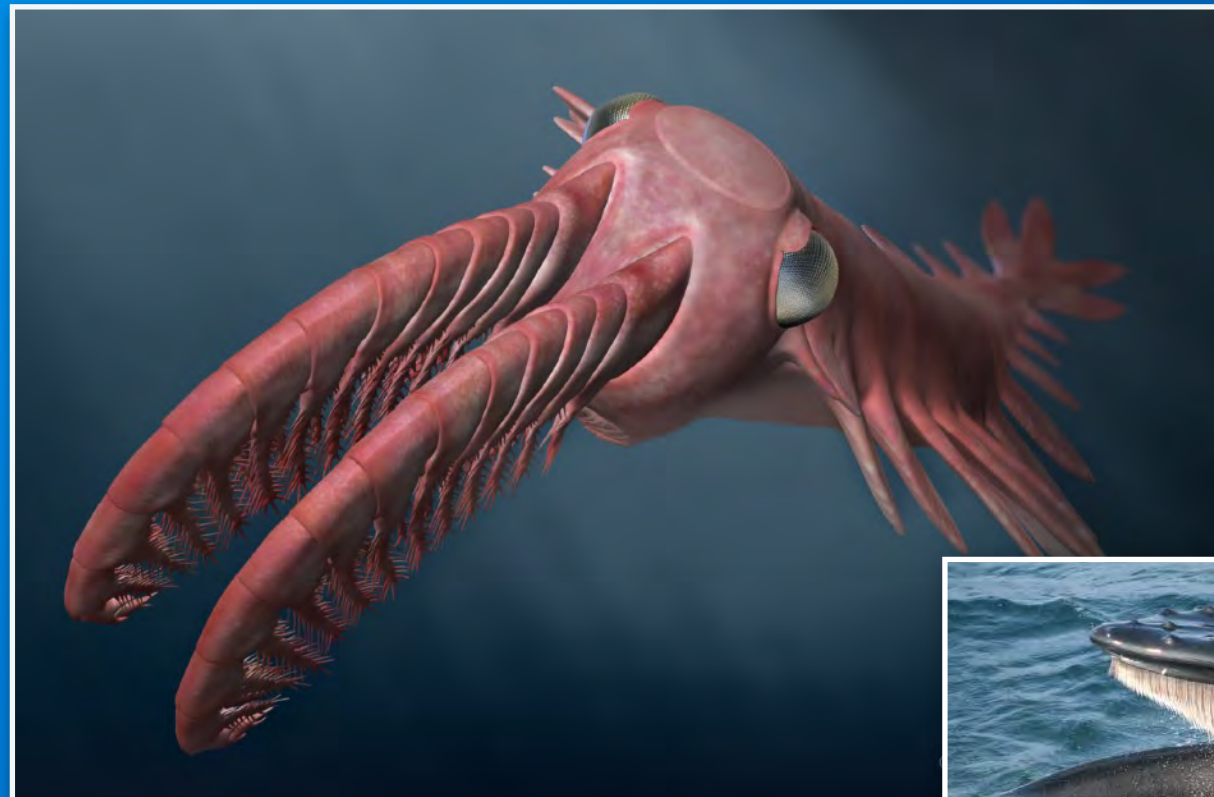
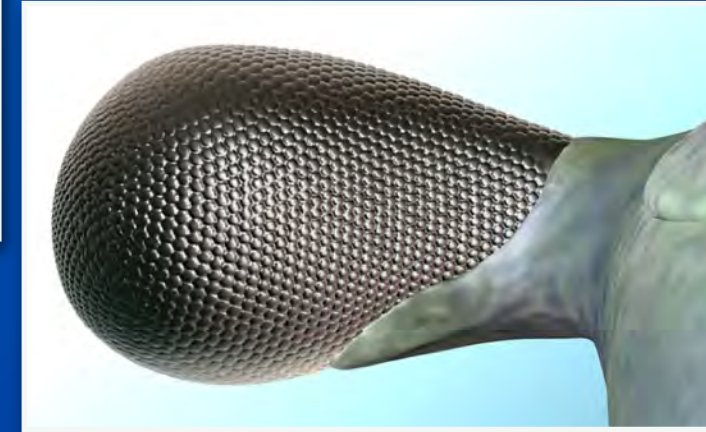
Paterson, Edgecombe & García-Bellido (2020), *Science Advances*



~ 3,000 lenses



~ 25,000 lenses



Echidnacaris briggsi



Anomalocaris daleyae



Emu Bay Shale fauna reconstruction for Australia Post by Peter Trusler

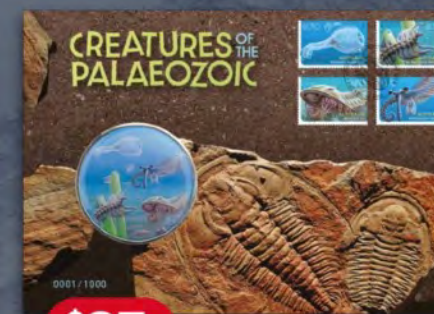


Stamp series launched on 10 February 2026

CREATURES OF THE PALAEOZOIC



\$6⁸⁰ Minisheet



\$35 Medallion cover



\$30 Collection



\$14⁰⁵

Stamp pack



\$12⁴⁰

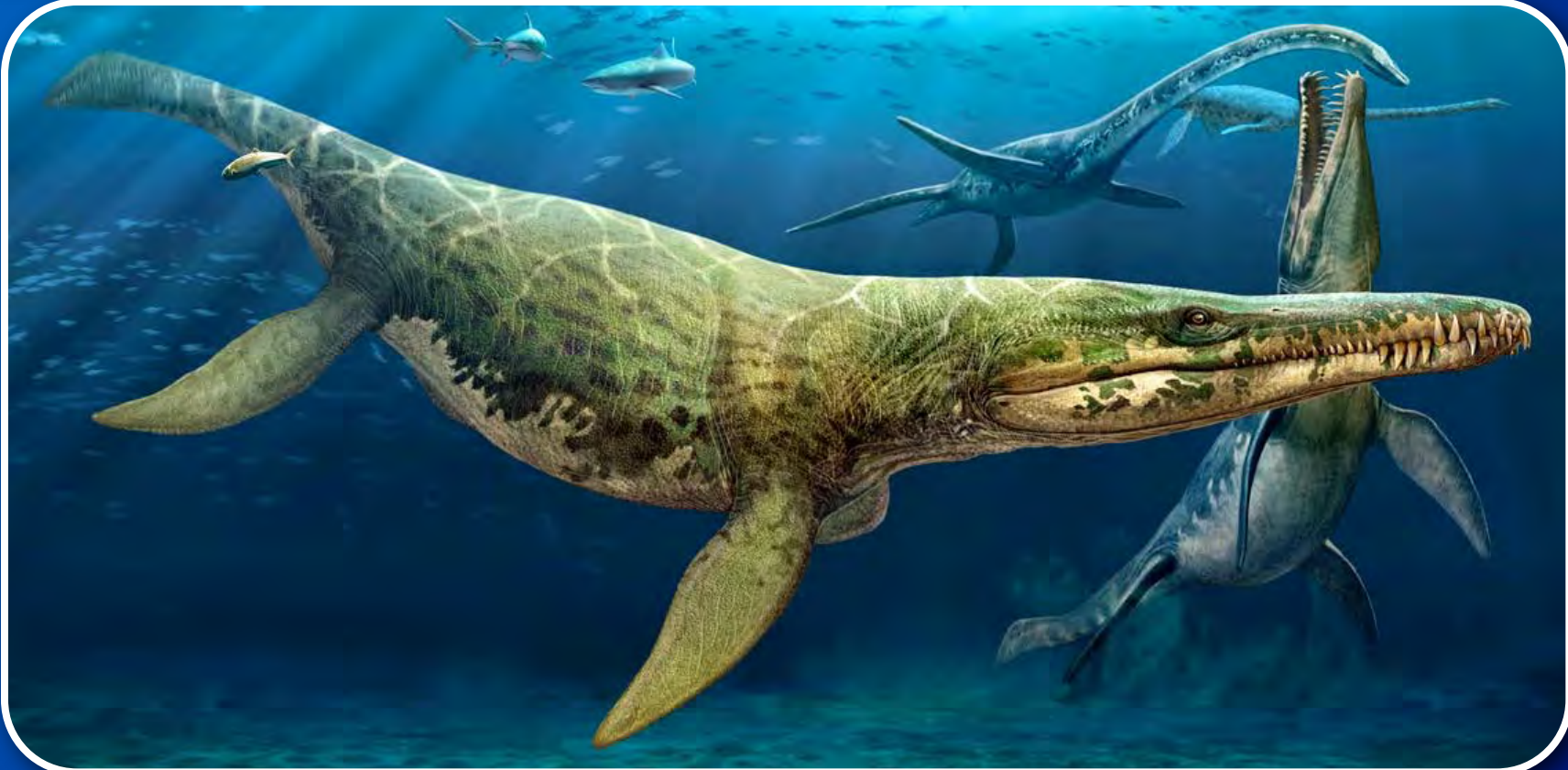
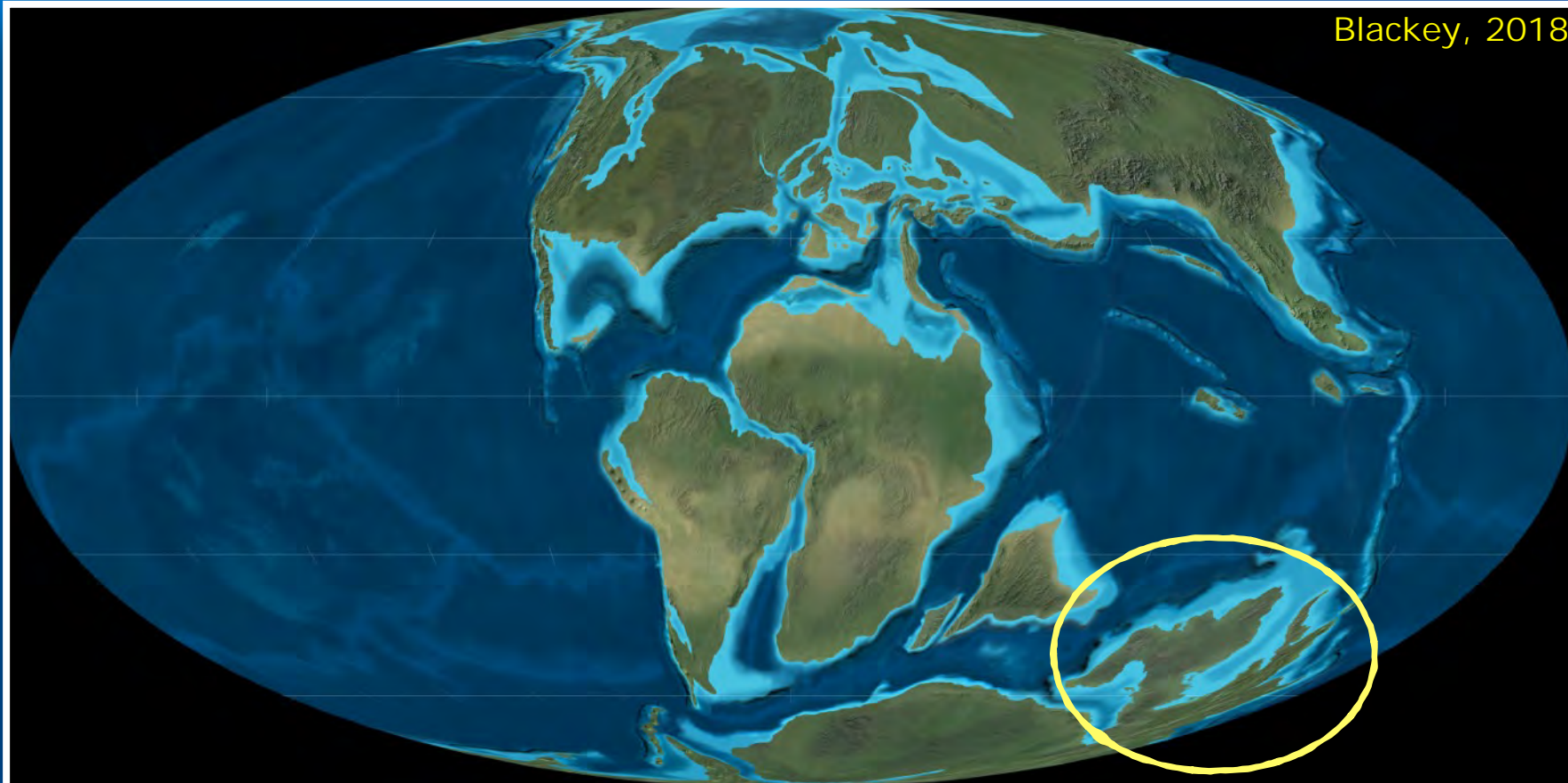
Maxicard set of 3
Includes postage within Australia and worldwide.

Stamps and collectables available from 10 February 2026

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Cretaceous marine biota, 110-120 million-years-ago - Cooper Pedy & Andamooka



Eromanga Sea and main opal fossil sites

Cretaceous marine biota, Coober Pedy, 120 million-years-ago

INVERTEBRATES



Bivalves



Crinoids



Belemnites

PLANTS

+ sponges,
corals,
gastropods,
ammonites,
crustaceans...

> 70 invertebrate spp

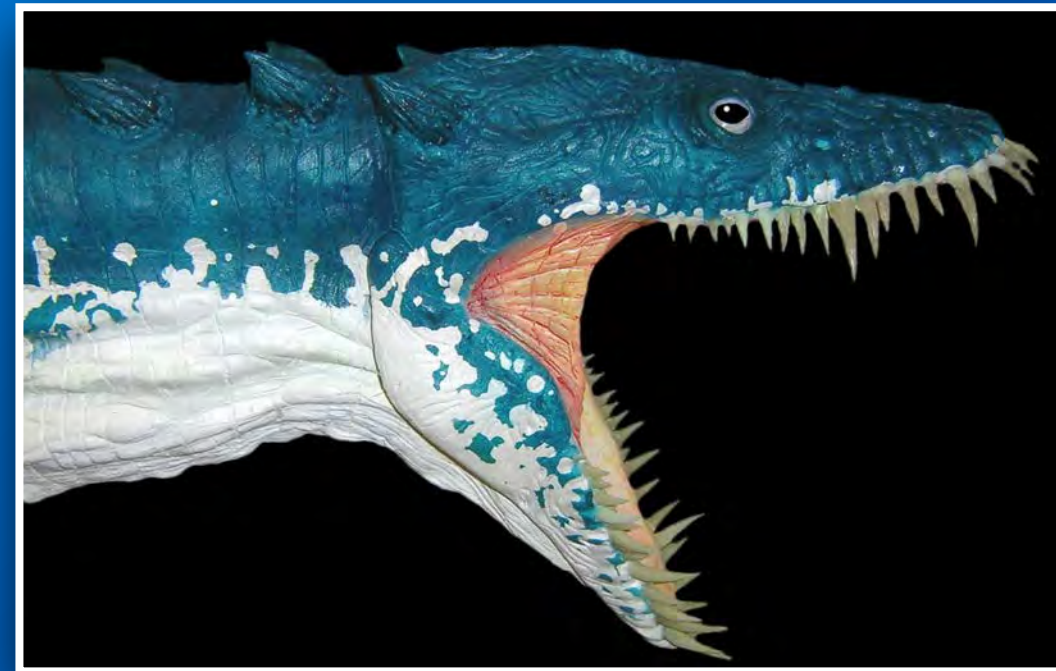


Cretaceous marine biota, Coober Pedy, 120 million-years-ago

VERTEBRATES



Plesiosaurs

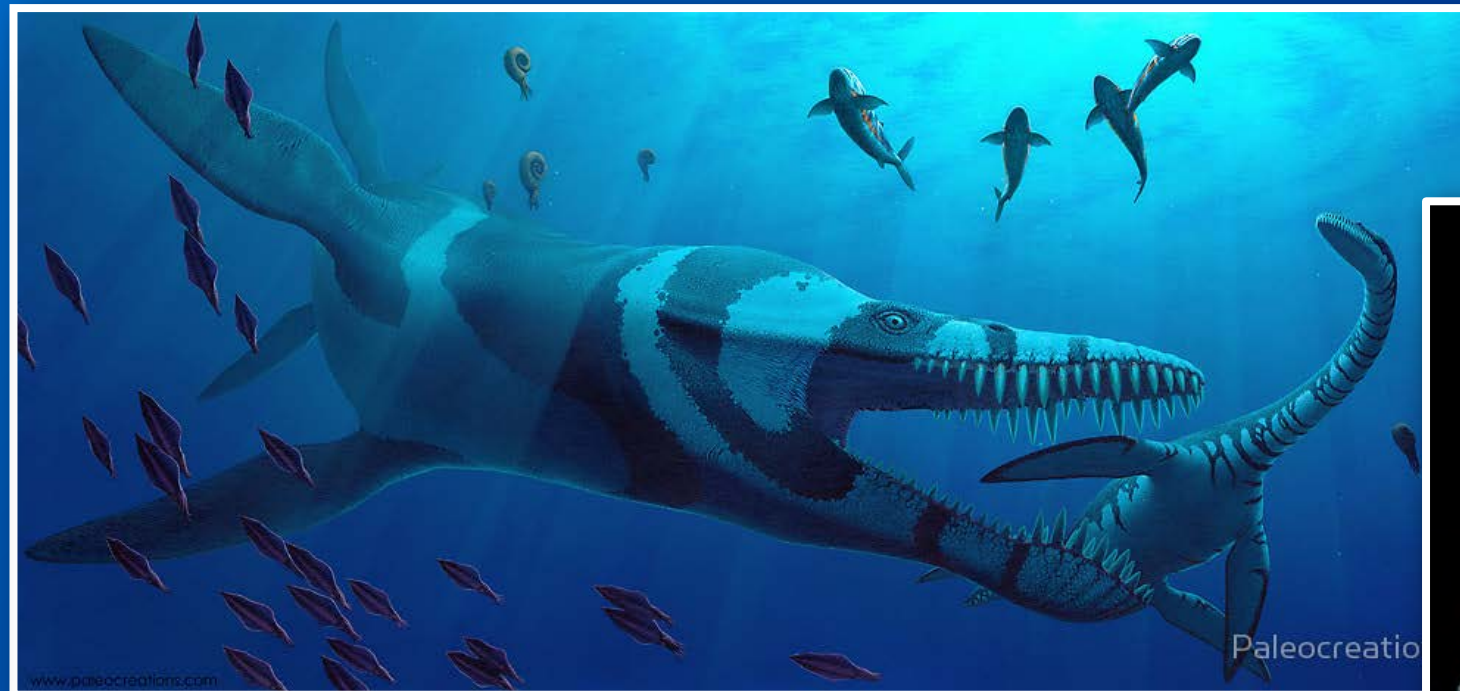


Addyman plesiosaur

Pliosaurs



Ichthyosaurs



Kronosaur tooth

+ sharks, fish, turtles, and 3 dinosaur bones...

Pleistocene fossils, Naracoorte Caves NP

500 000 years - present



Pleistocene fossils, Naracoorte Caves NP



Diprotodon
'Megalania'

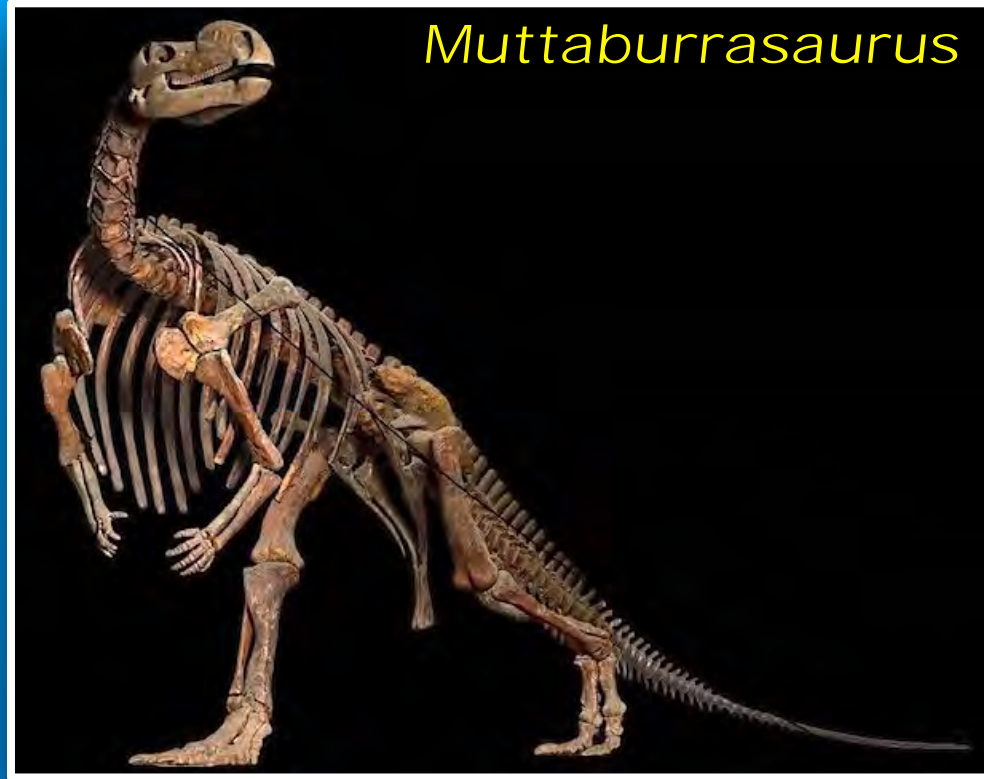


Thylacoleo



Australian Fossils

Queensland



Muttaborrasaurus

NSW



McGraths Flat

Victoria



Koonwarra insects

Tasmania



Fossil Bluff

Western Australia



Gogo fish

Northern Territory



Tanami Desert

Posibles usos de la paleontología en Educación

STEM:

- **Biología**
 - **Evolución**
 - **Extinción**
 - **Biodiversidad**
 - **Sistemática**
- **Geología**
 - **Cambio climático**
 - **Placas tectónicas**
 - **Sedimentología y estratigrafía**
- **Matemáticas**
 - **Bioestadística**
 - **Análisis distribución en 2D**

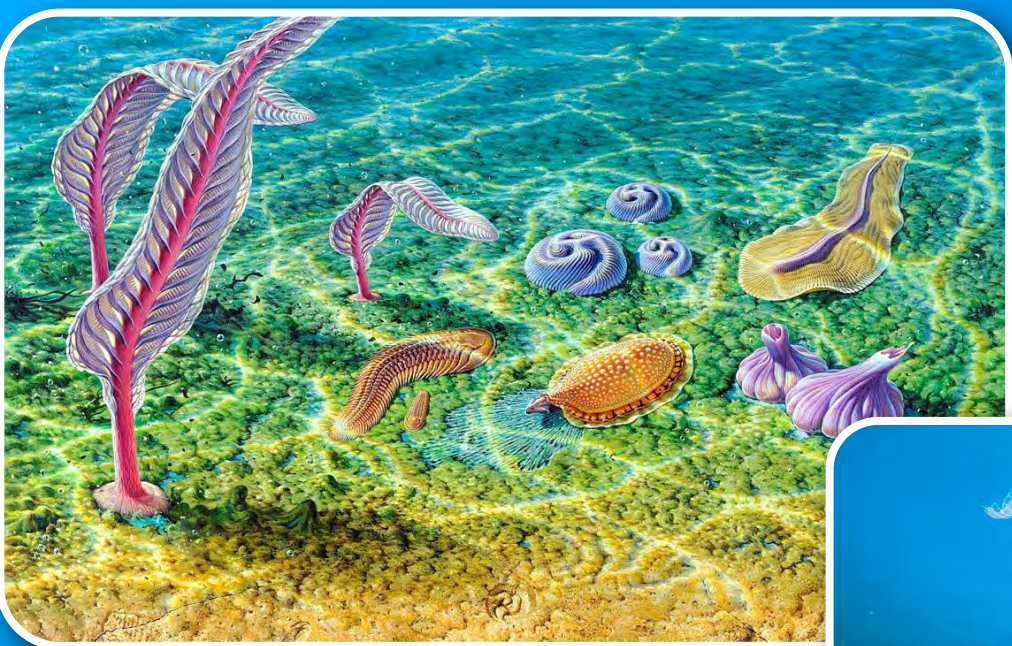
STEM:

- **Tecnología**
 - **Drones**
 - **Escaner 3D**
 - **Modelización 3D**
 - **Impresión 3D**

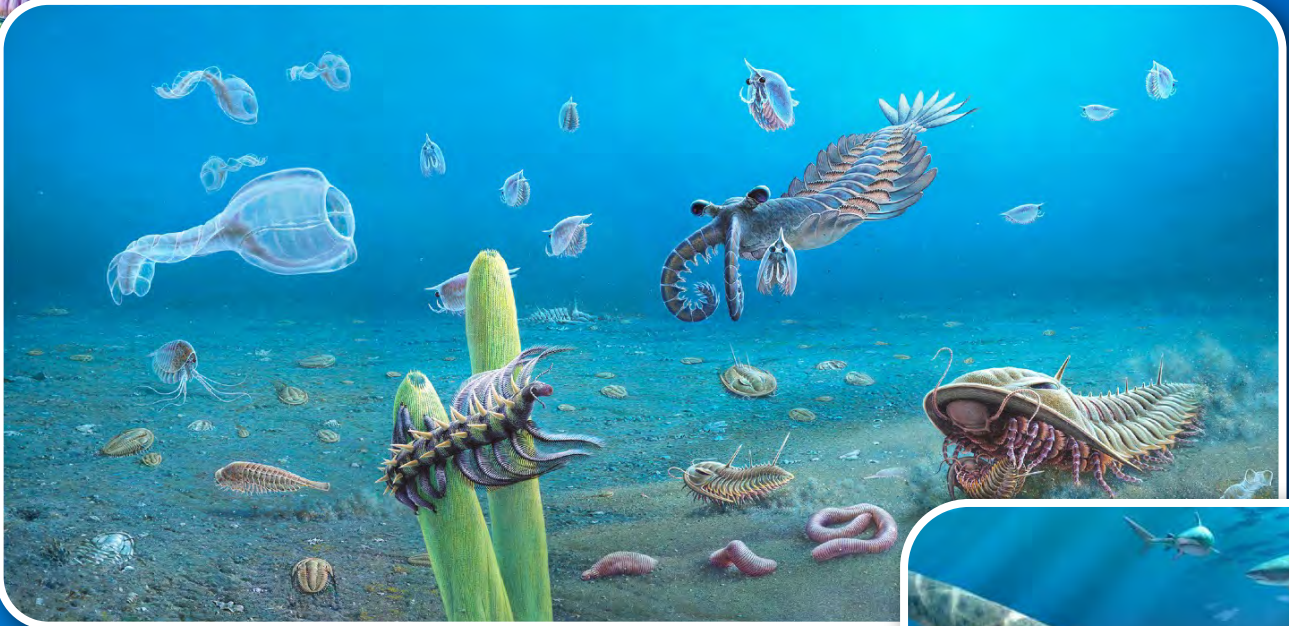
Economía y Turismo:

- **Desarrollo rural & regional**
- **Museos y galerías**
- **Marketing nacional e internacional**
- **Filatelia**





Flinders Ranges



Kangaroo Island



Coober Pedy



Naracoorte



Diego on ABC "Conversations" with Richard Fidler