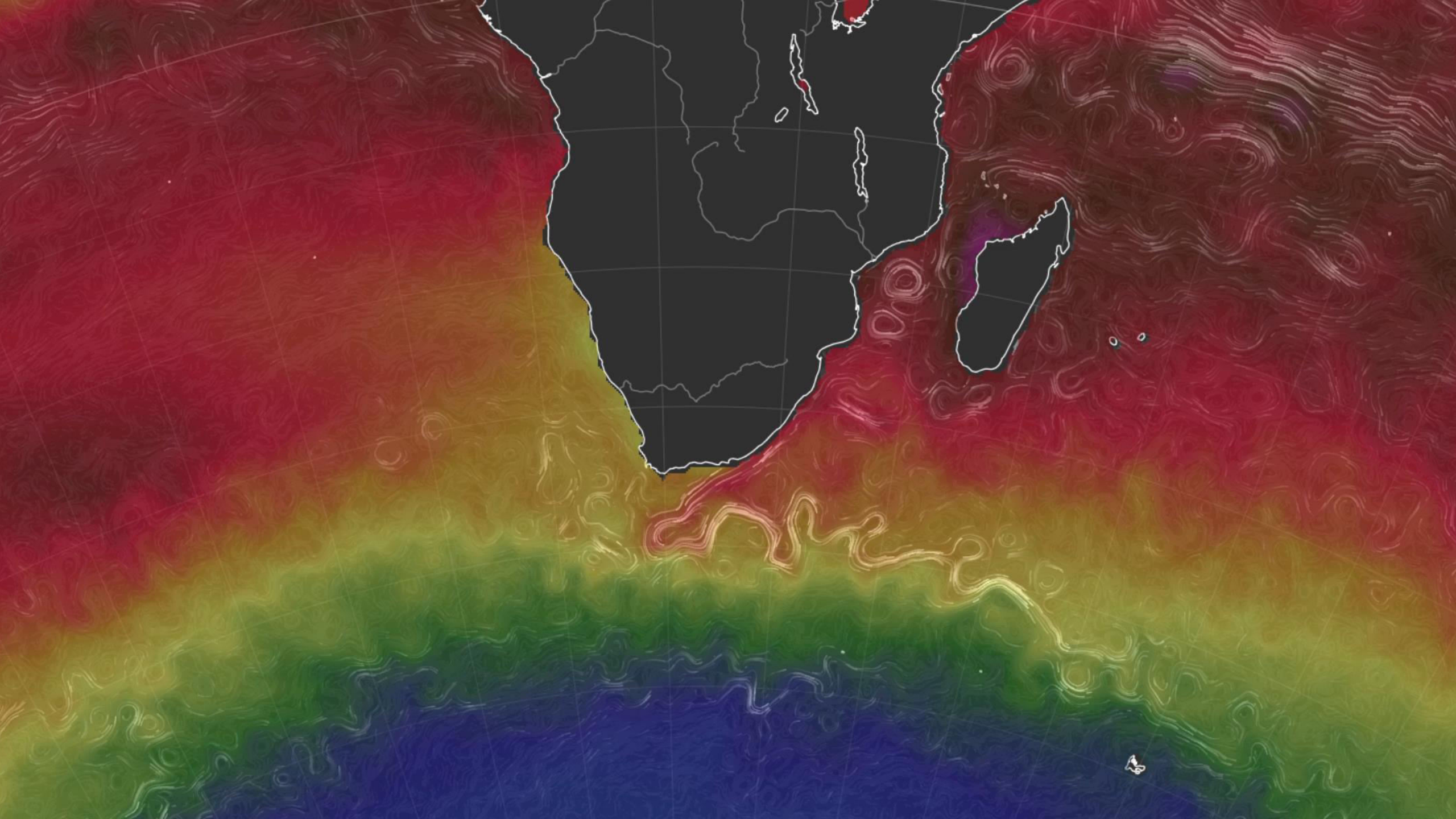
environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

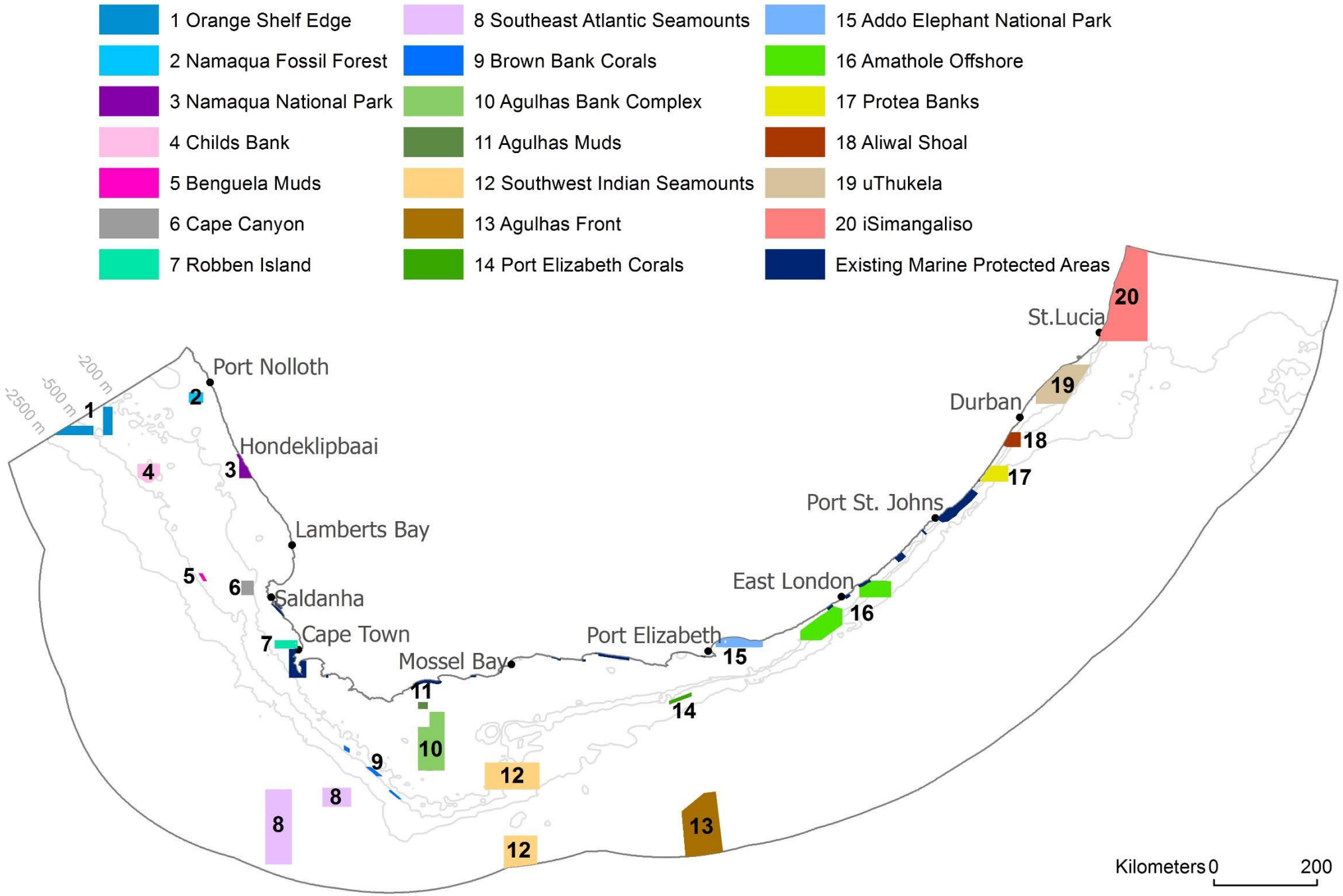
South Africa's New MPA Network

SANBI
Biodiversity for Life
South African National Biodiversity Institute



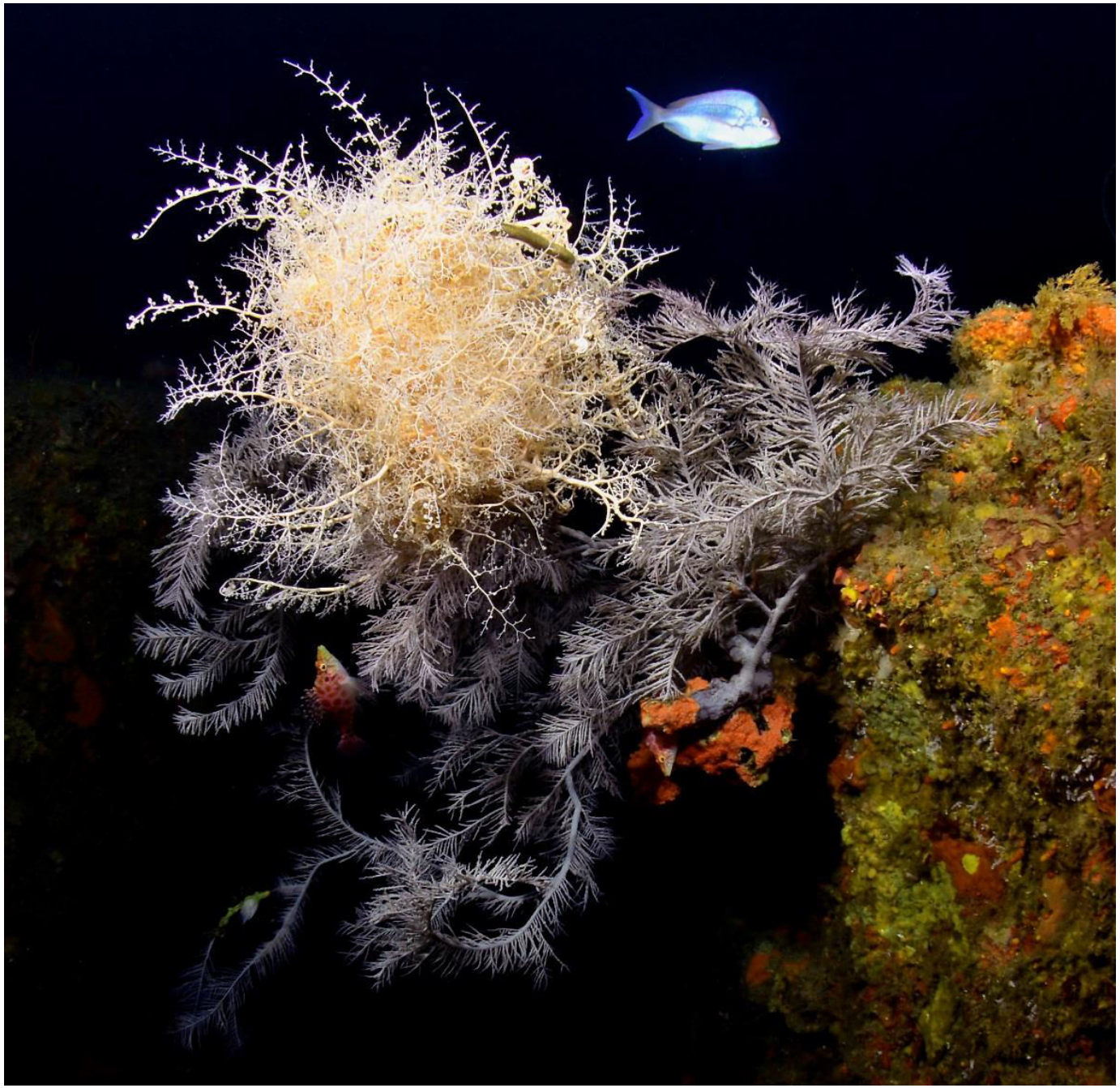
South Africas New Marine Protected Area Network

25 October 2018



Key Elements

- Alignment of Protection and Ocean Economy Goals
- Strategically designed network
- Science based process with best available scientific, social and economic data

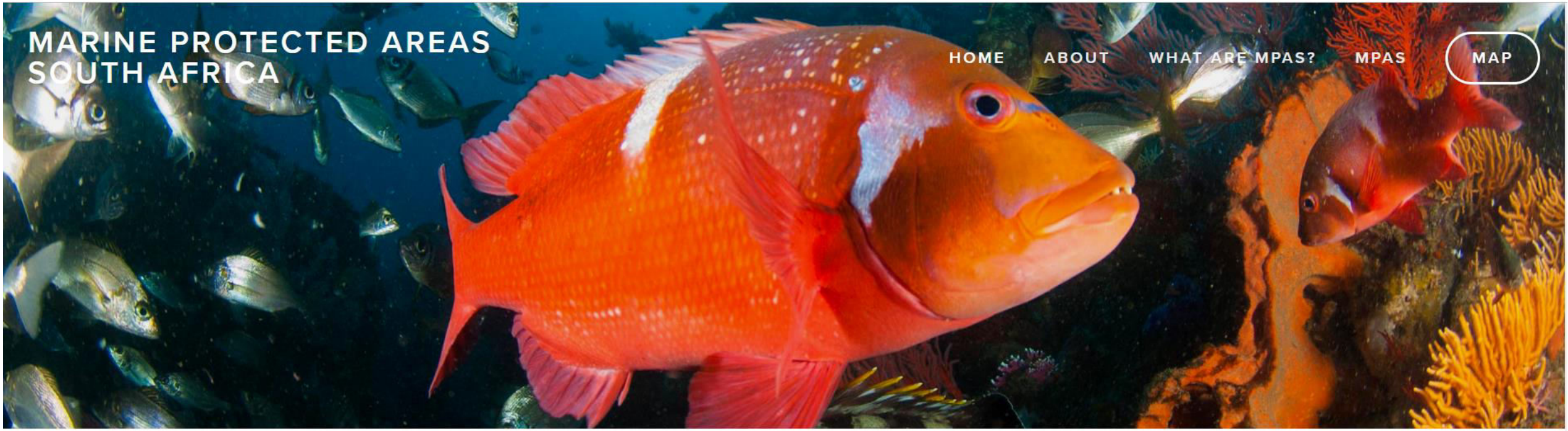


Benefits of MPAs

Identify,
Design for and
Communicate
Benefits People
and Nature

Marine Protected Areas South Af

https://www.marineprotectedareas.org.za



Environmental Affairs
Science and Technology

SANBI
Biodiversity for Life
South African National Biodiversity Institute

2030 NDP

MzanSea – 5 minute film

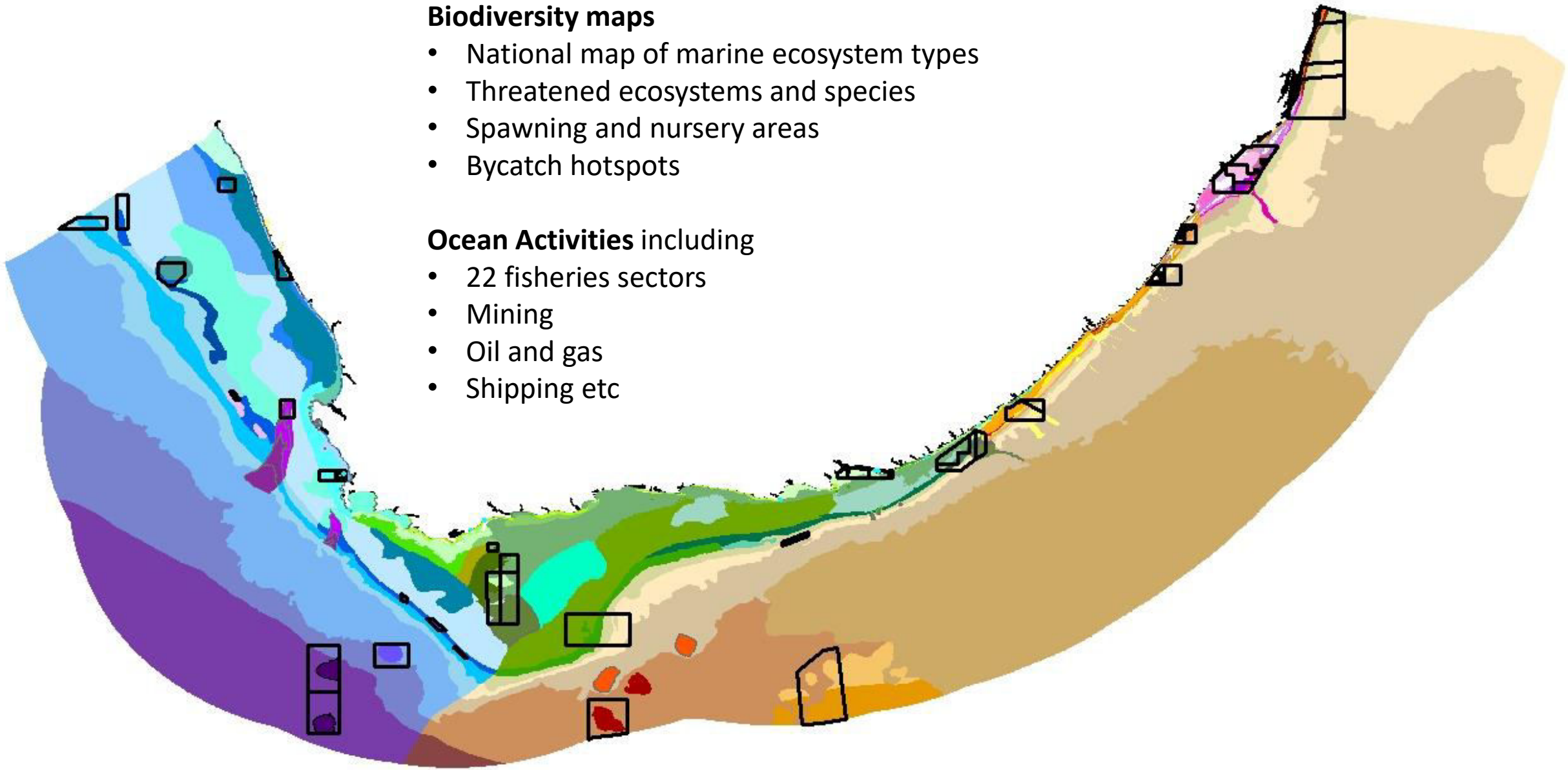
Systematic planning

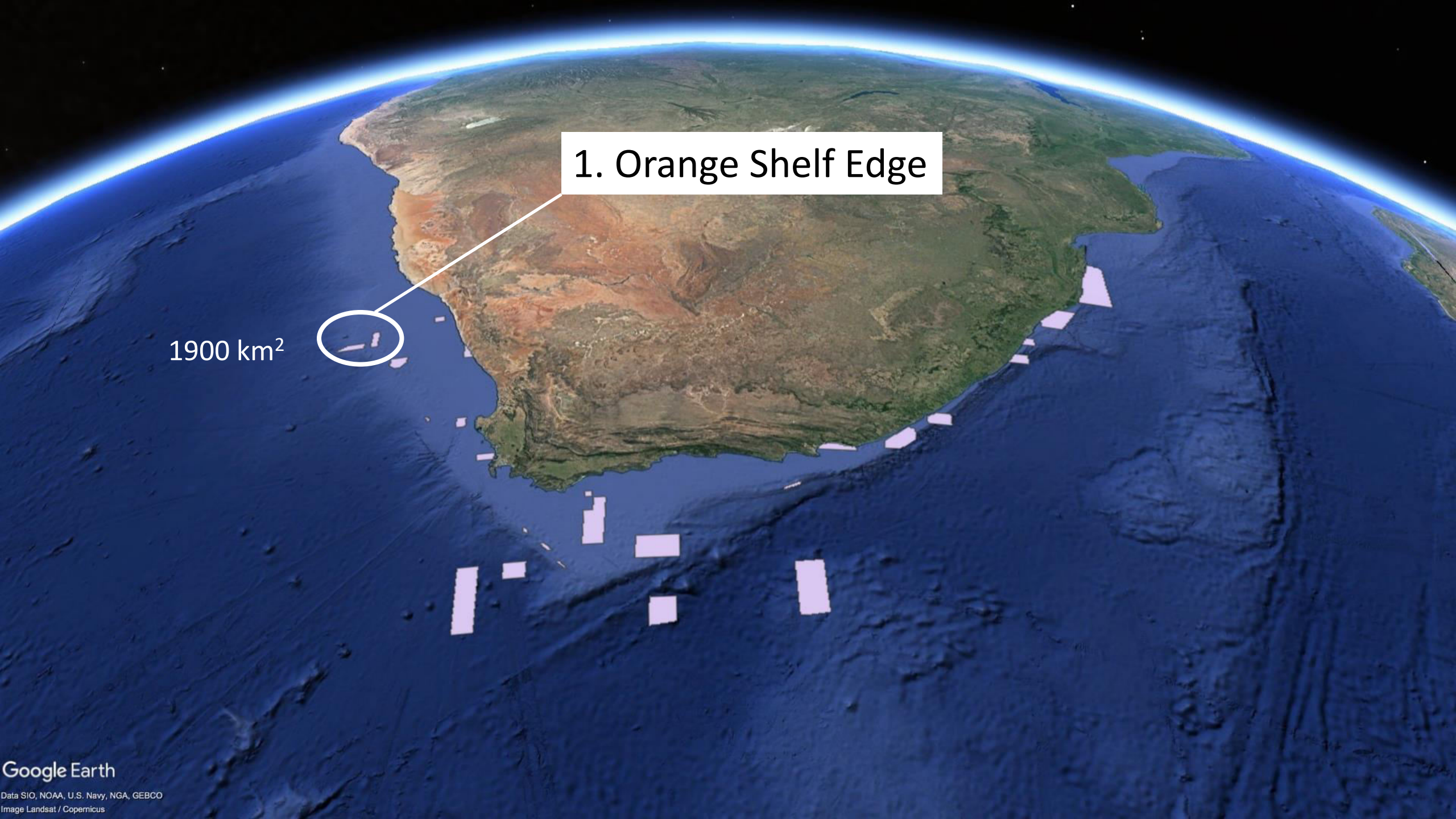
Biodiversity maps

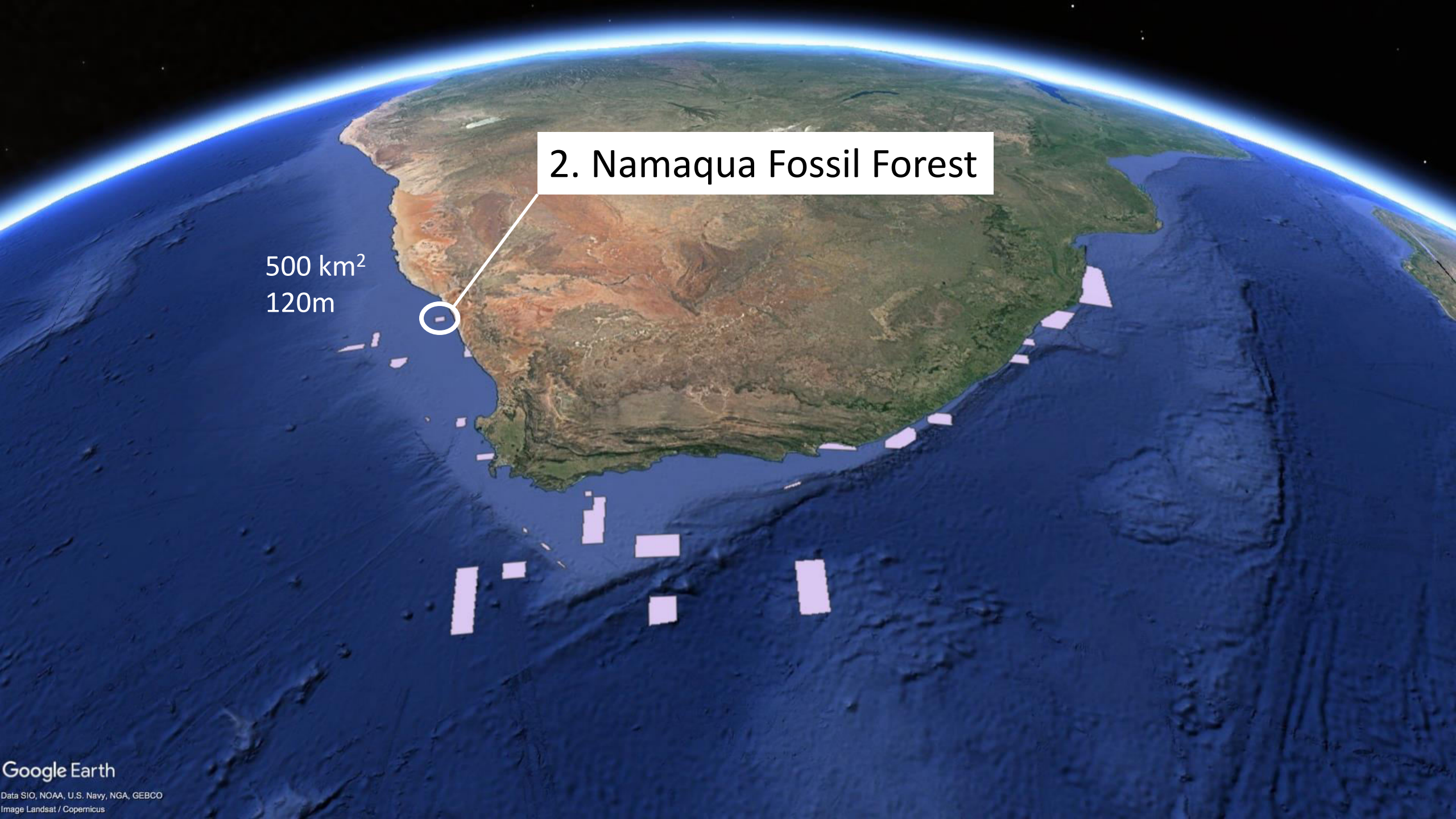
- National map of marine ecosystem types
- Threatened ecosystems and species
- Spawning and nursery areas
- Bycatch hotspots

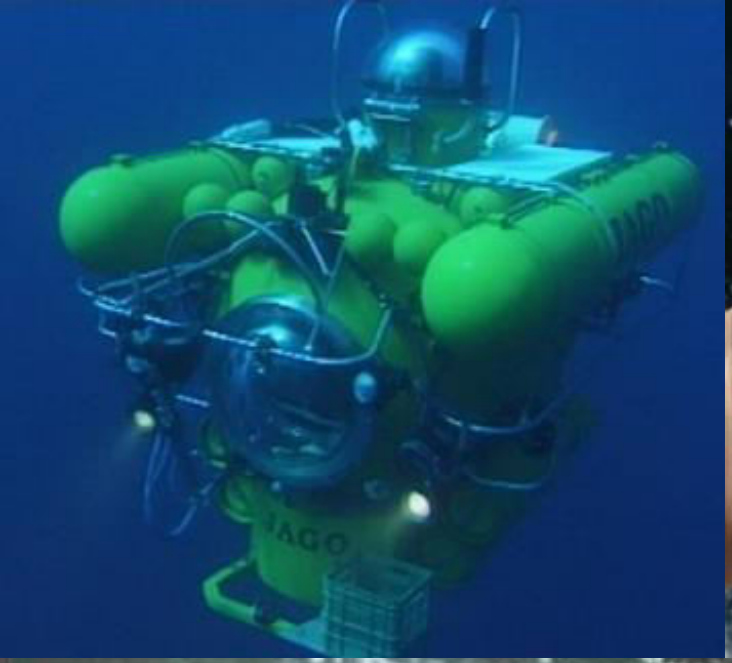
Ocean Activities including

- 22 fisheries sectors
- Mining
- Oil and gas
- Shipping etc

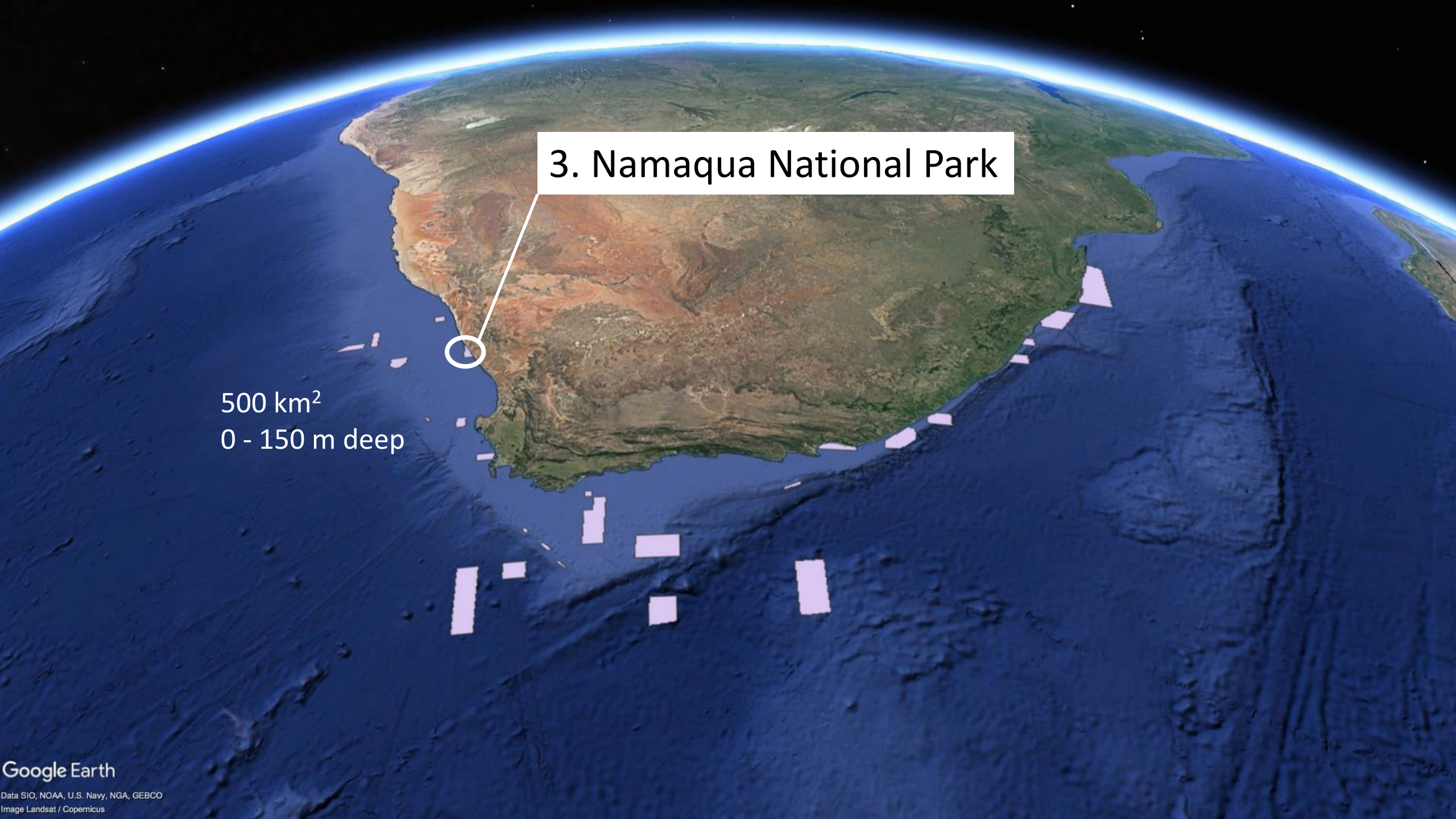



1. Orange Shelf Edge
1900 km²
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

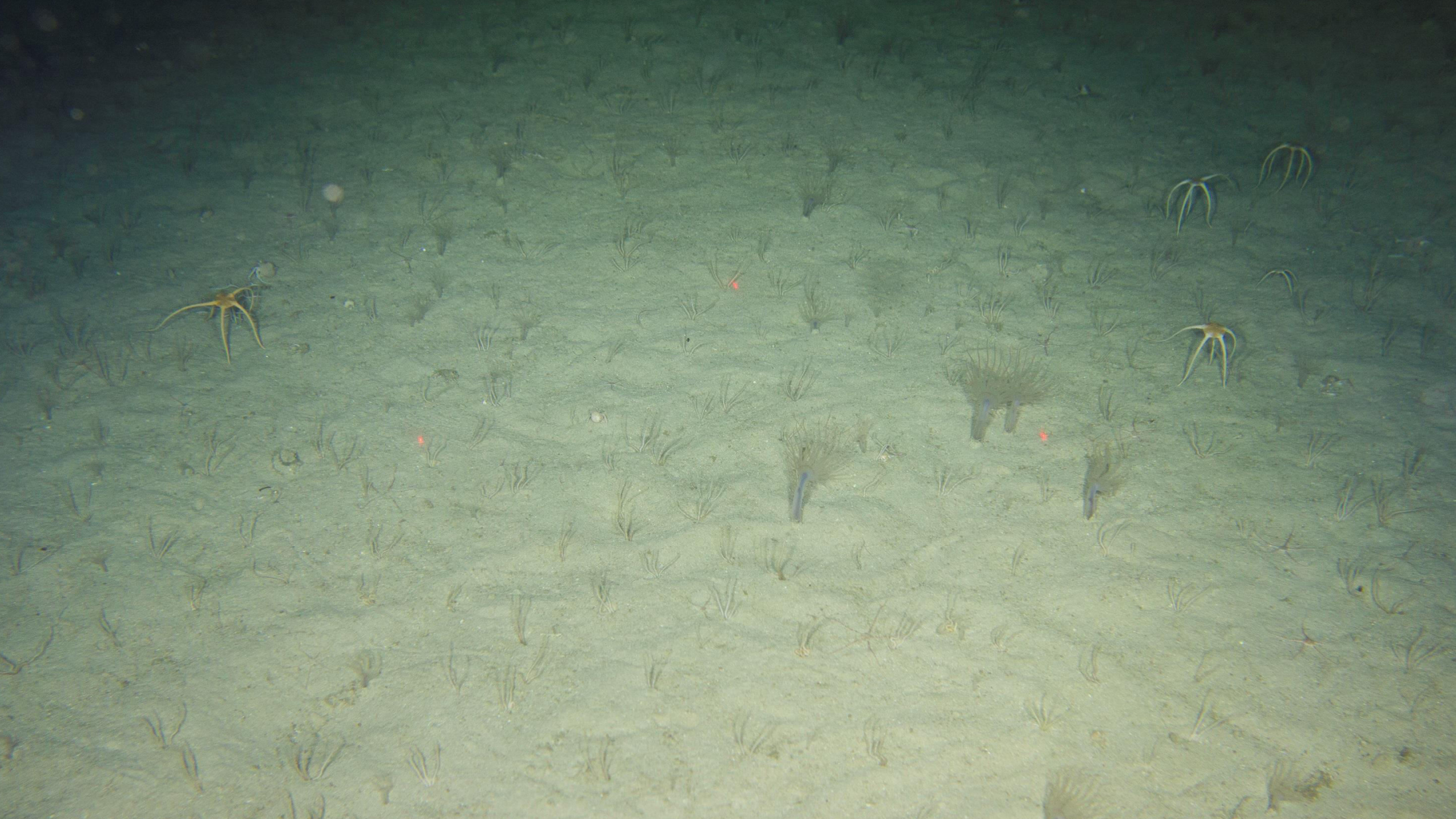

2. Namaqua Fossil Forest
500 km²
120m
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

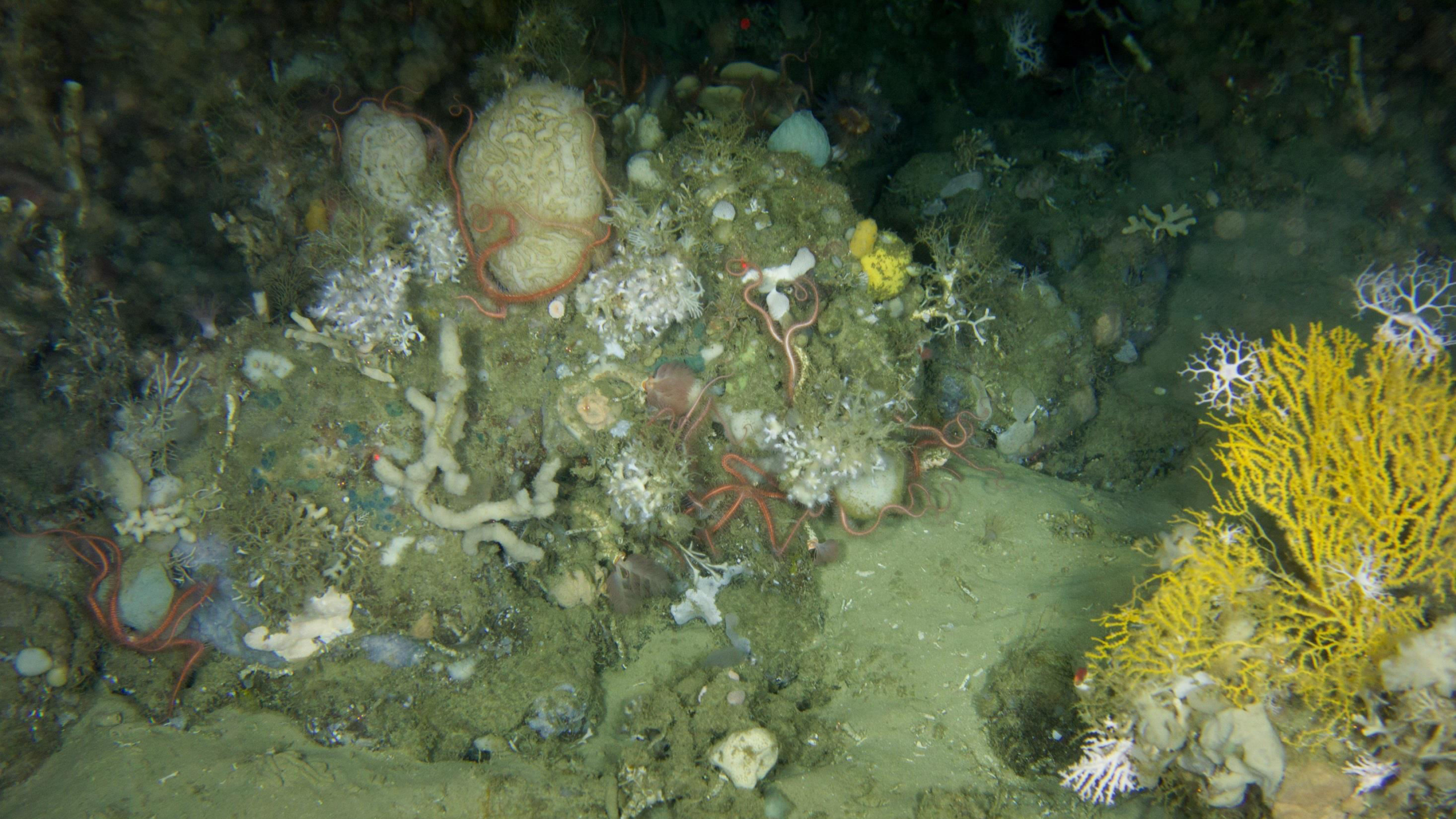

JAGO

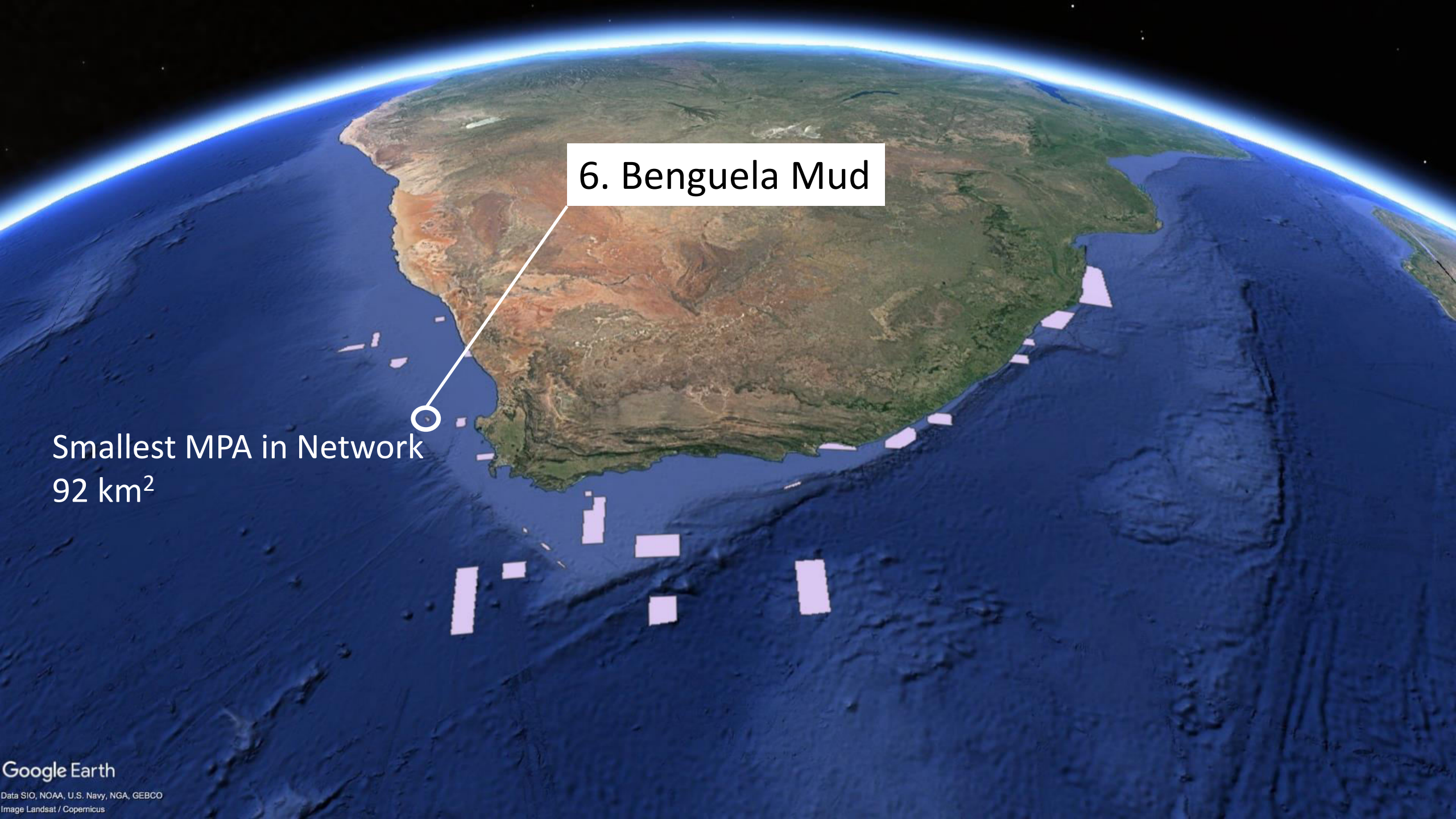
8:57:17
6.11.1997

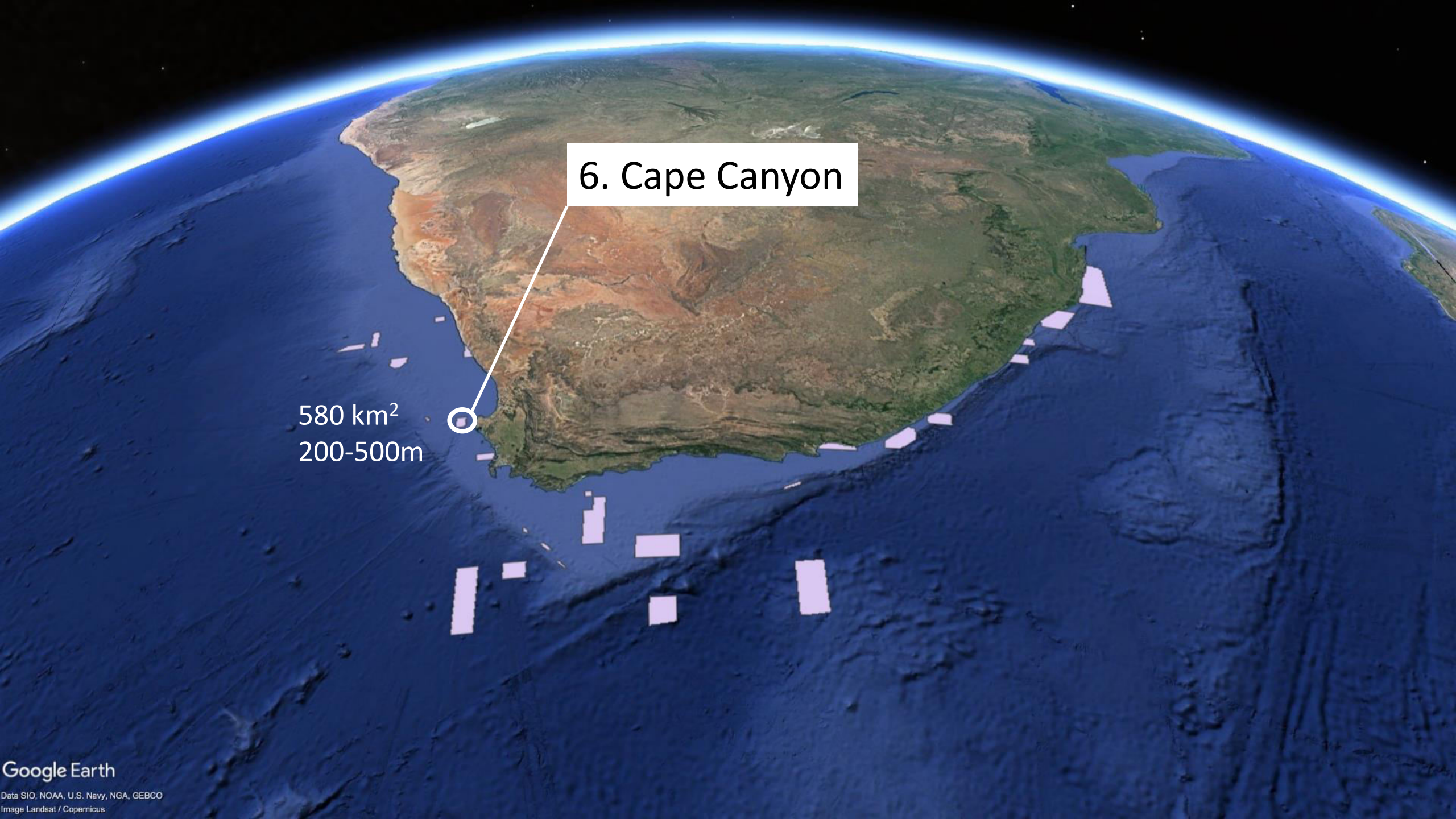

3. Namaqua National Park
500 km²
0 - 150 m deep
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

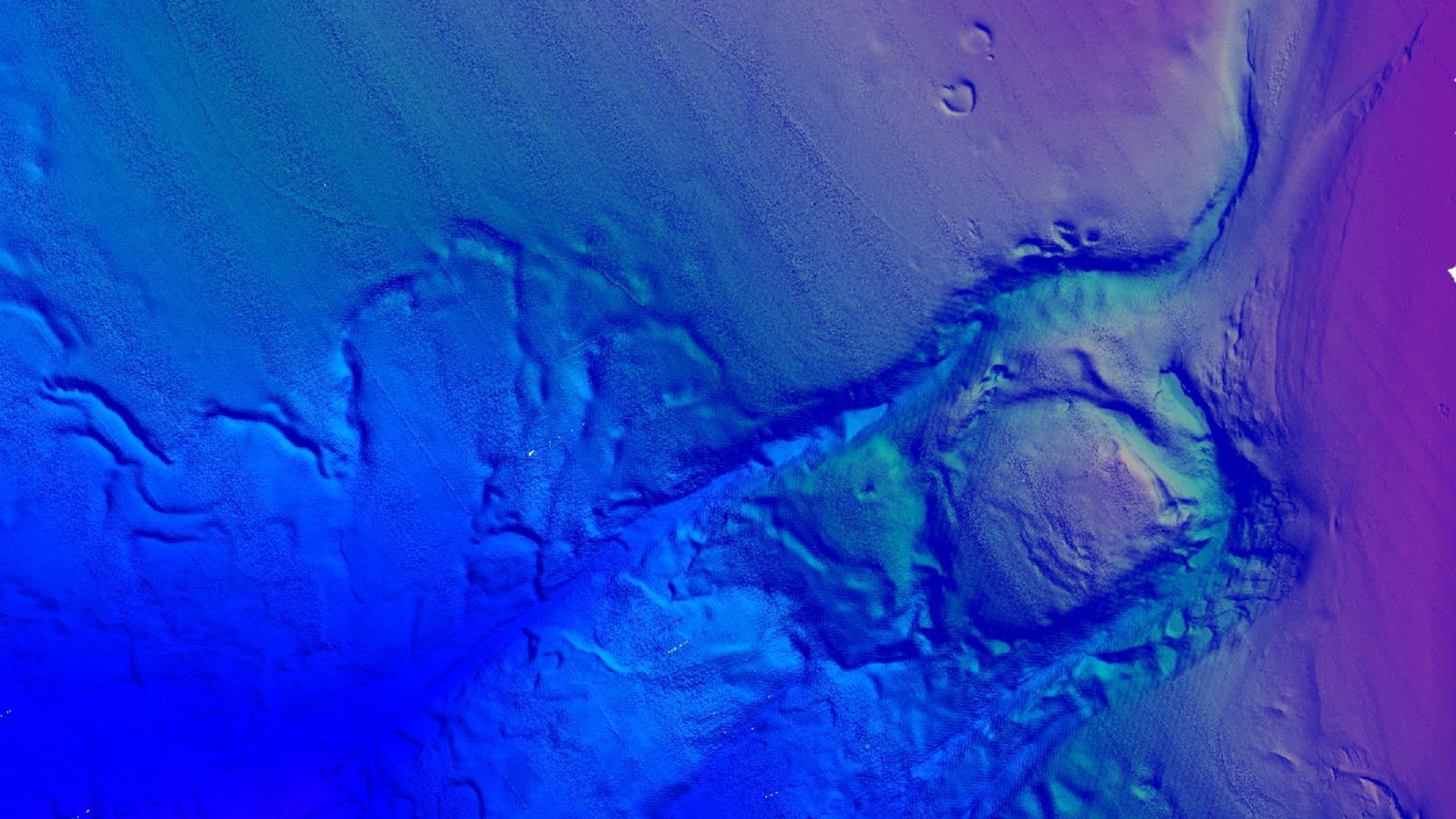
4. Childs Bank
1 200 km²
200-500m deep
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

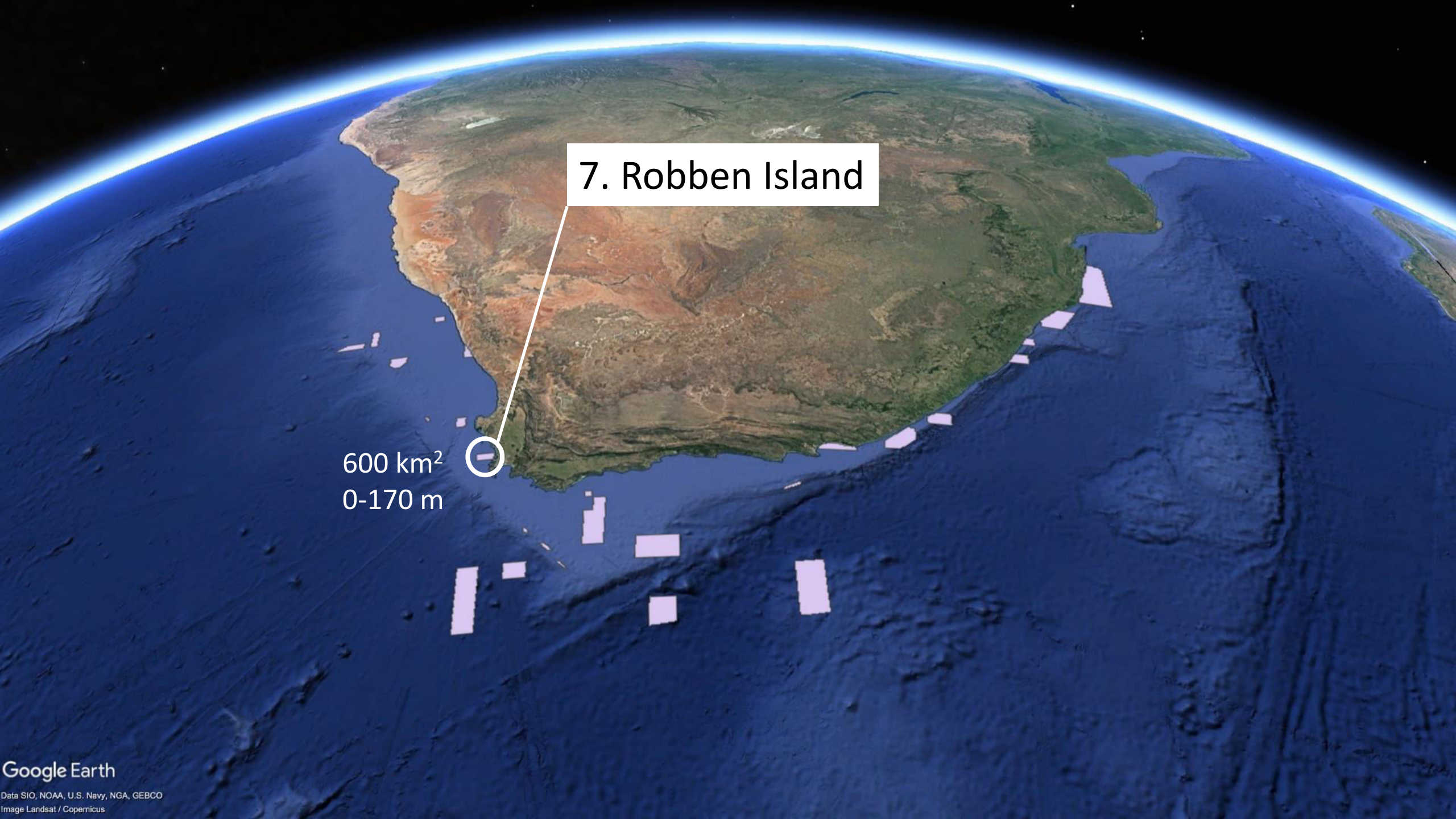


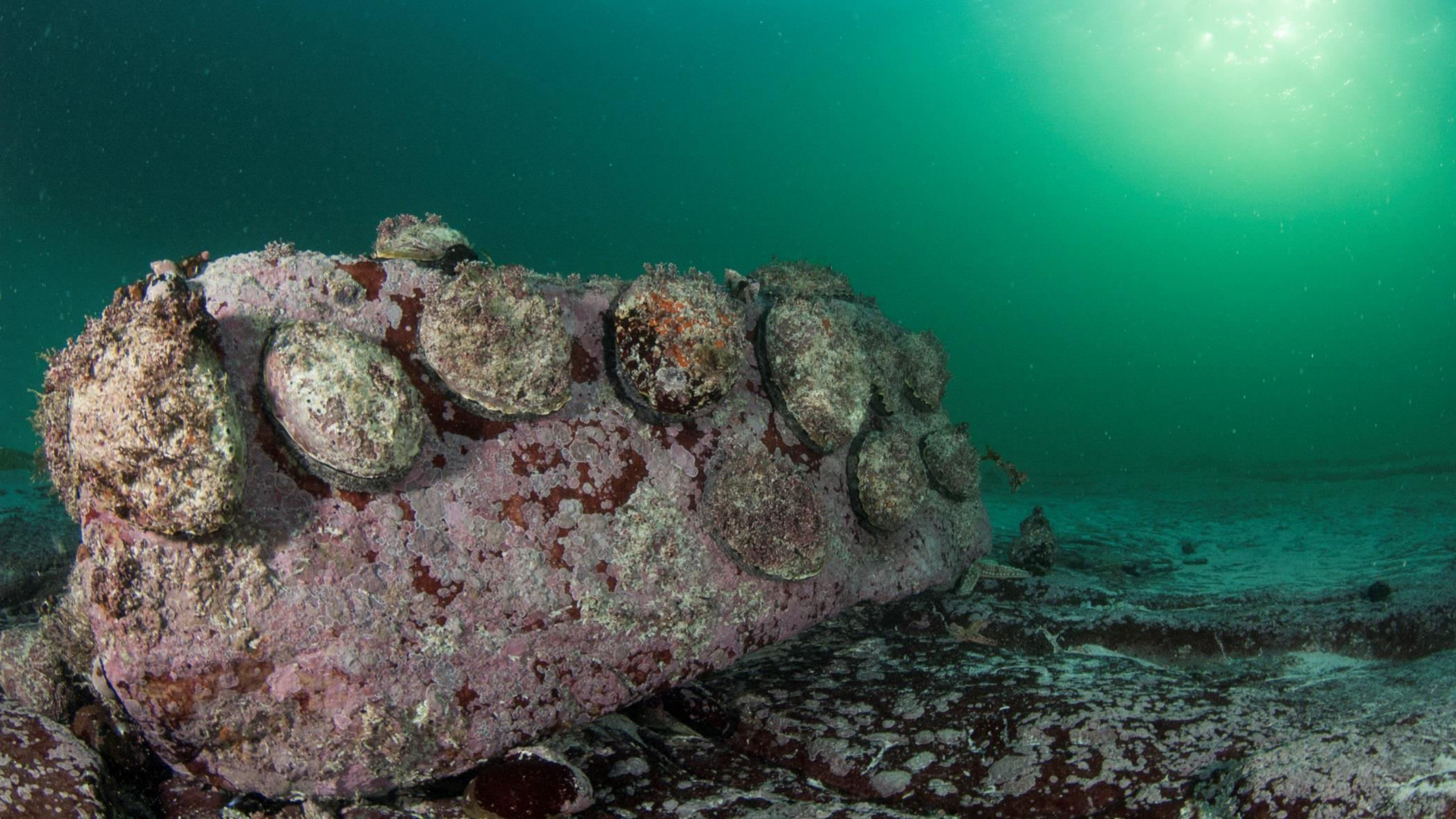


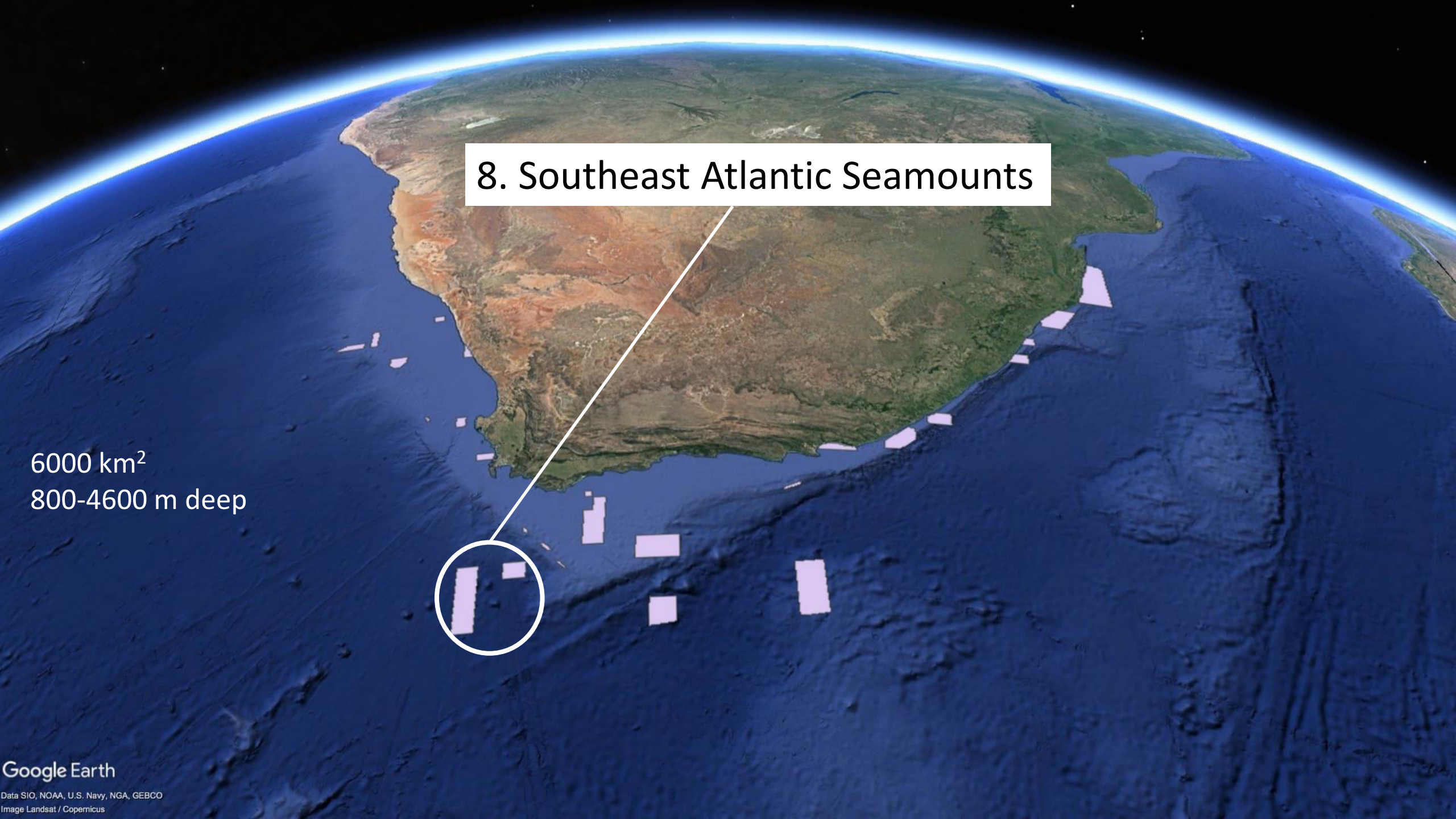

6. Benguela Mud
Smallest MPA in Network
92 km²
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

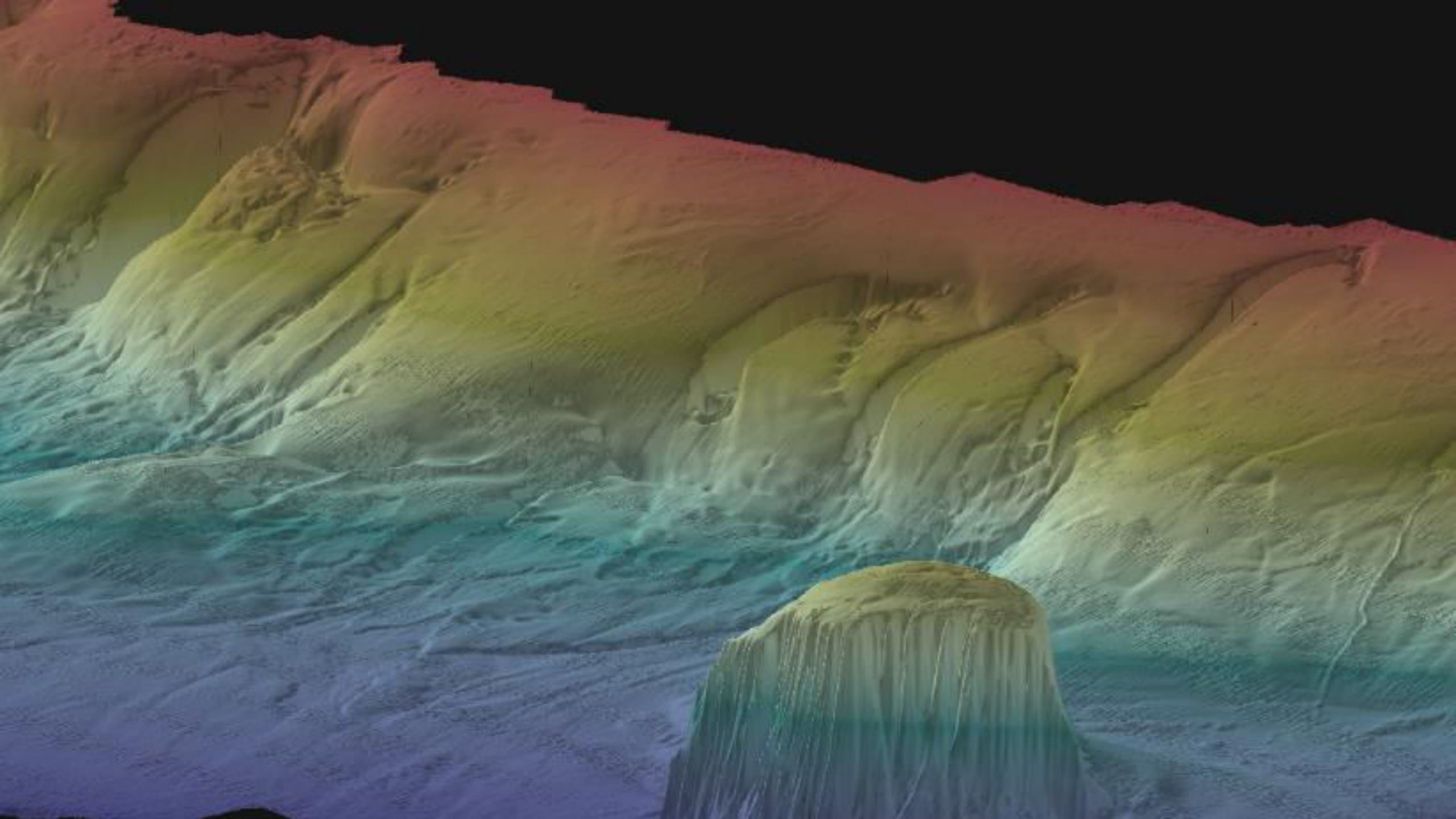

6. Cape Canyon
580 km²
200-500m
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

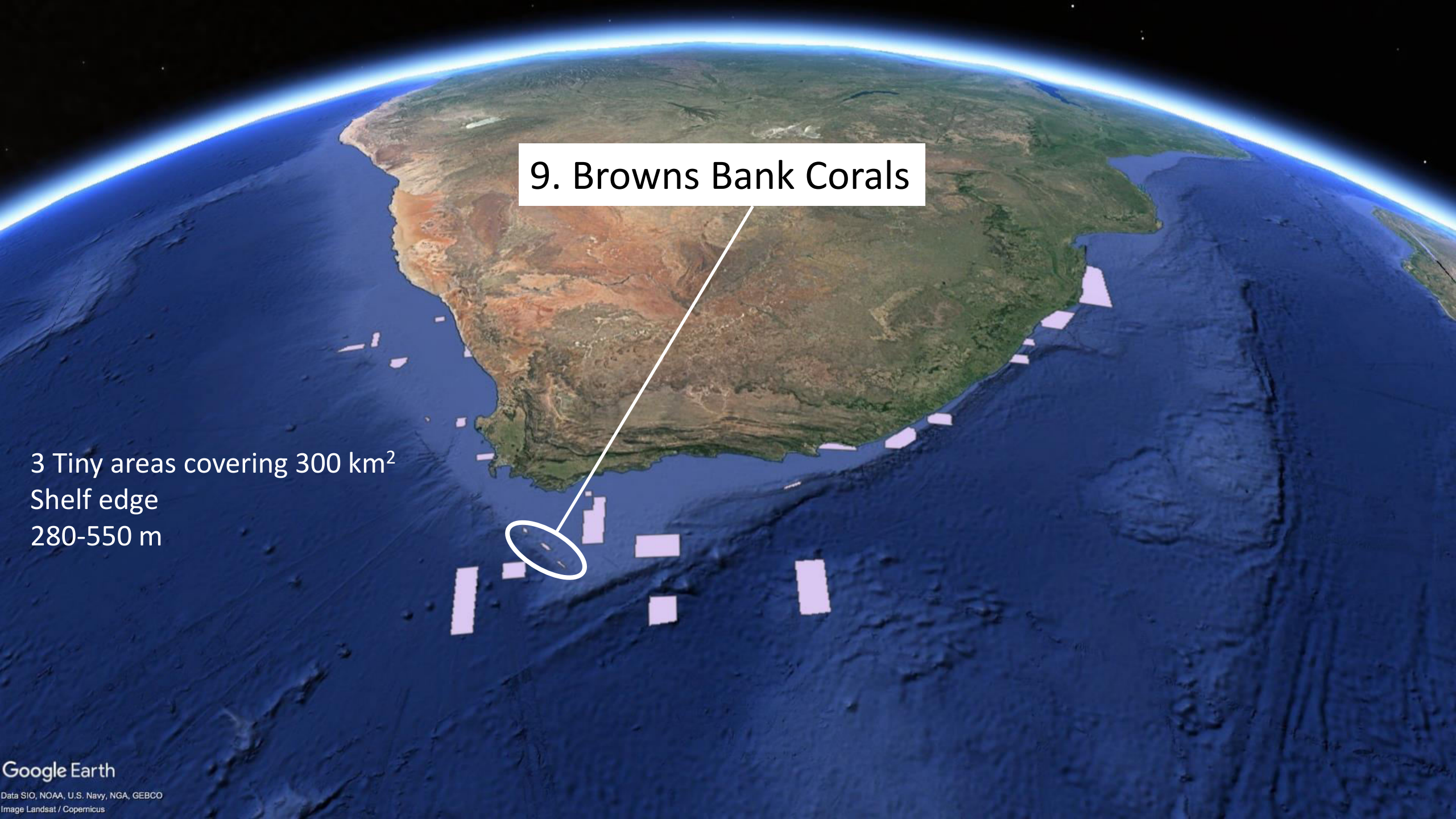


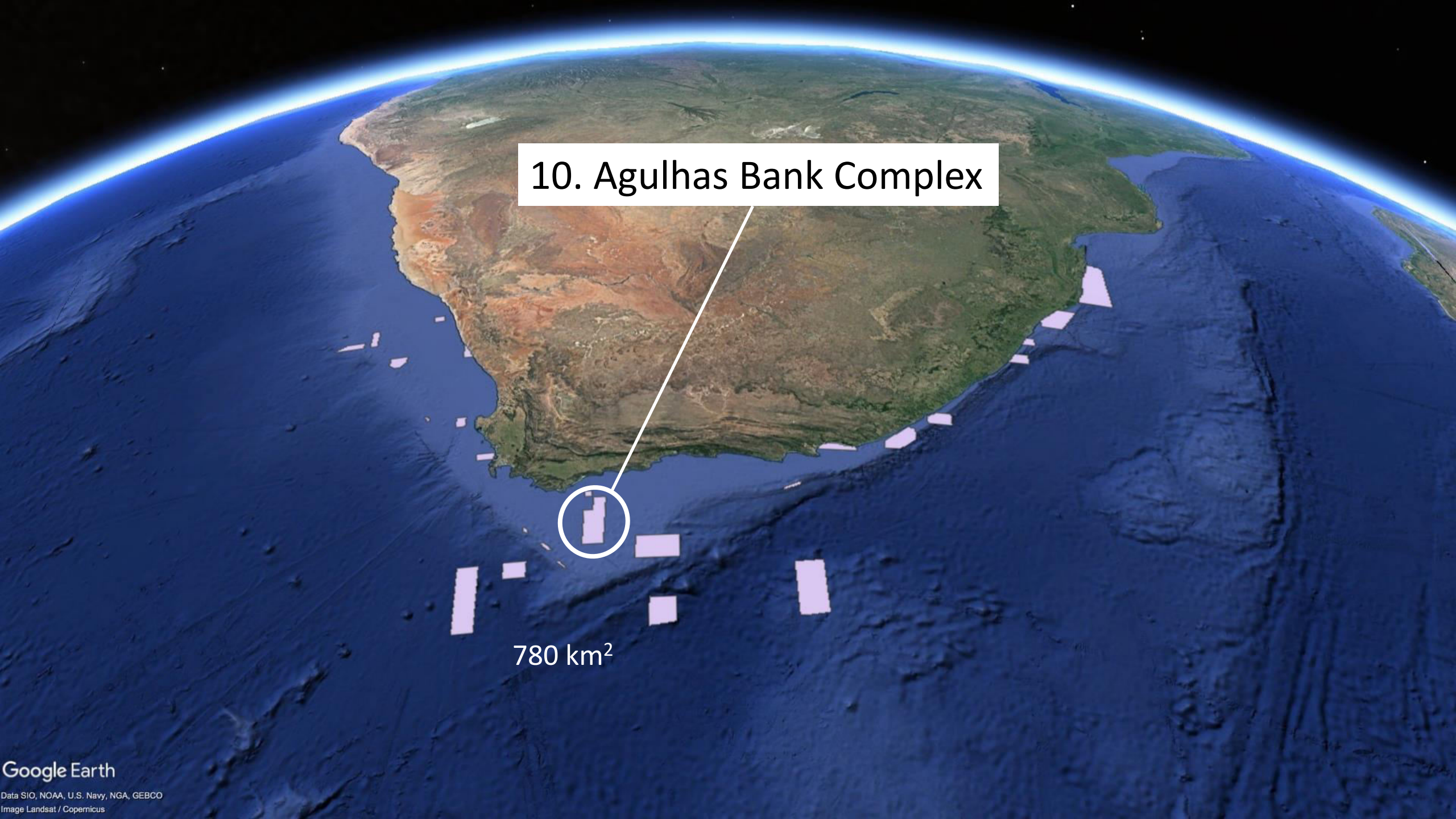

7. Robben Island
600 km²
0-170 m
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

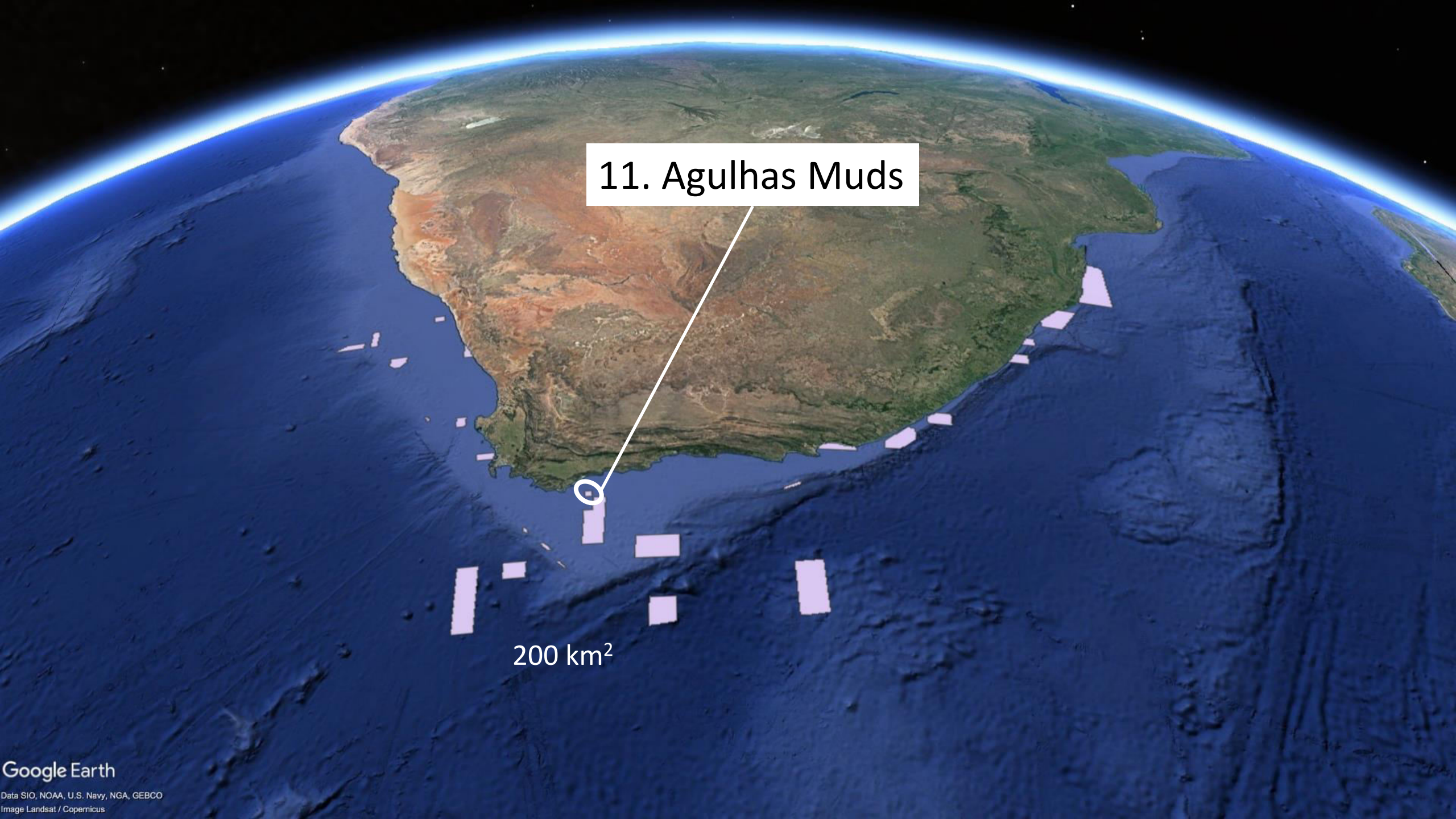


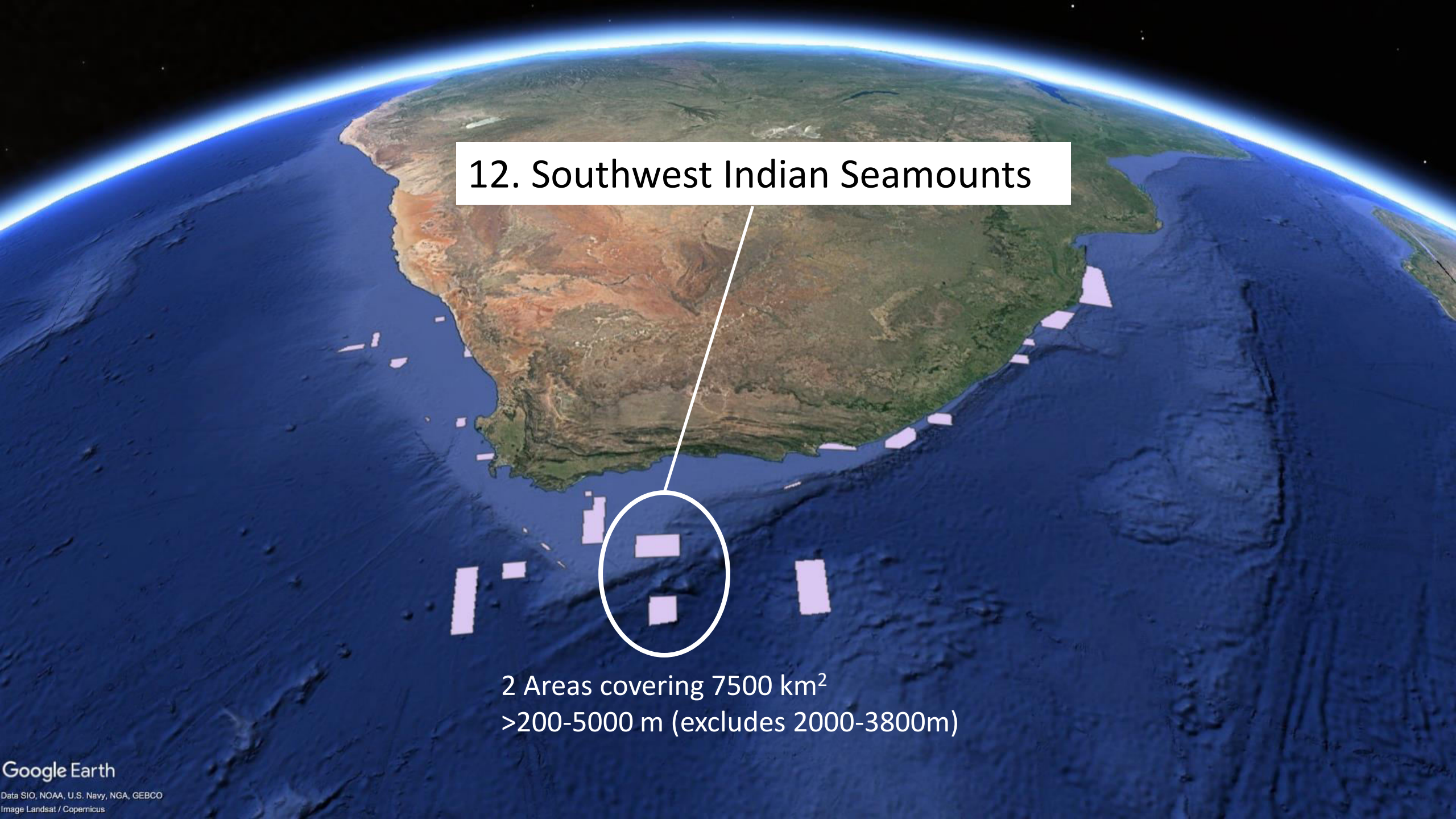

8. Southeast Atlantic Seamounts
6000 km²
800-4600 m deep
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

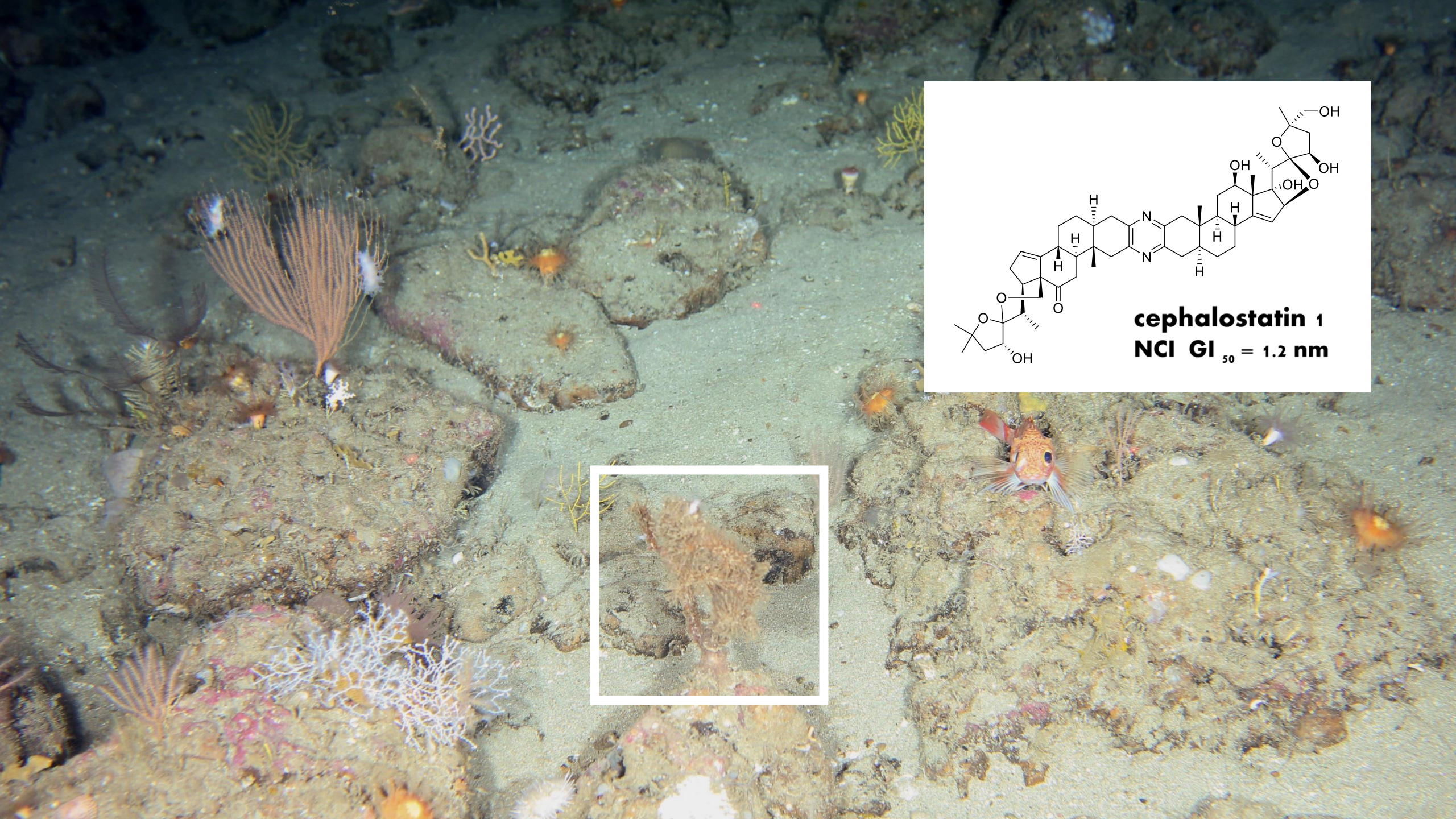



9. Browns Bank Corals
3 Tiny areas covering 300 km²
Shelf edge
280-550 m
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus


10. Agulhas Bank Complex
780 km²
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus


11. Agulhas Muds
200 km²
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus


12. Southwest Indian Seamounts
2 Areas covering 7500 km^2
>200-5000 m (excludes 2000-3800m)
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus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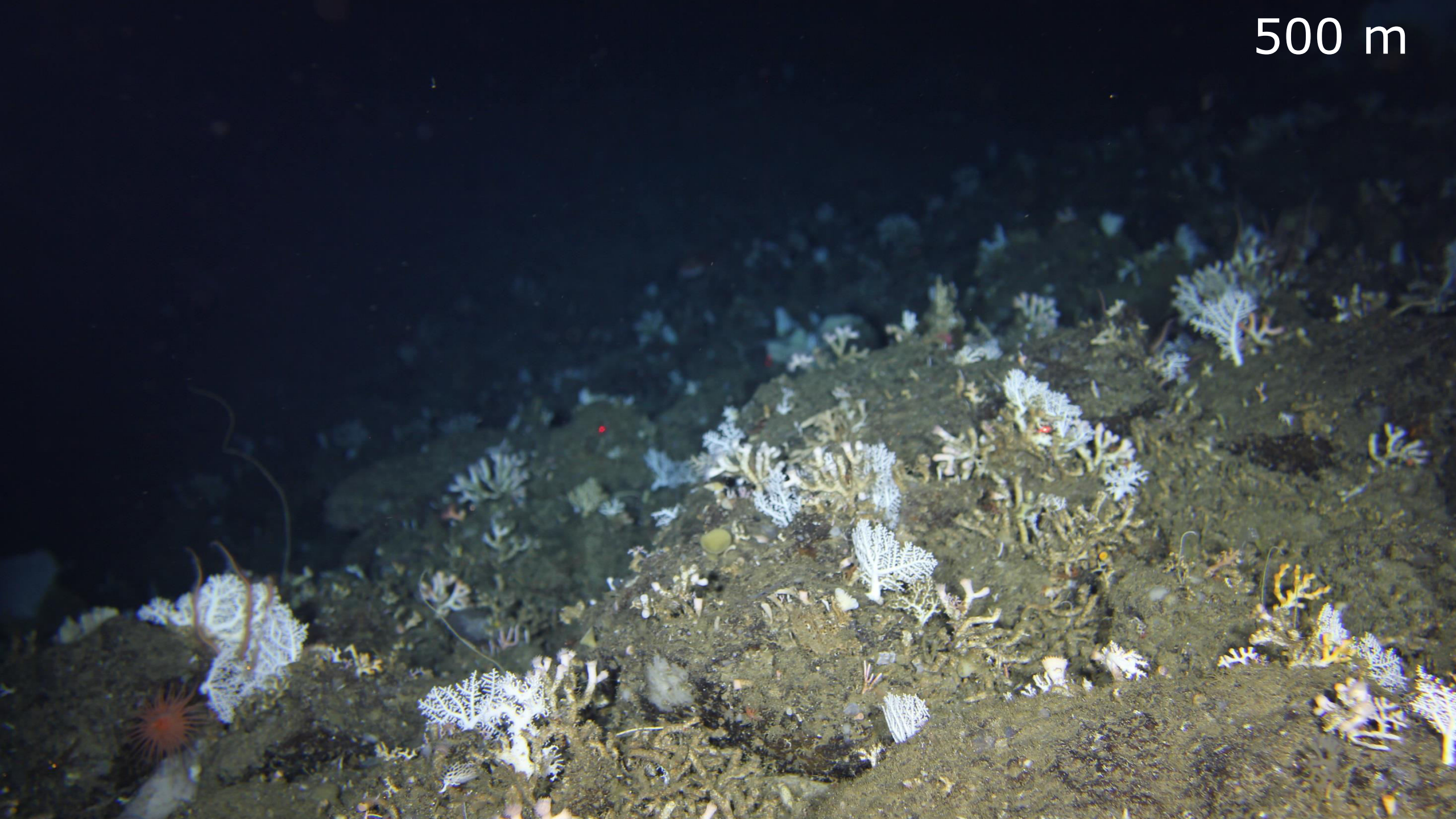
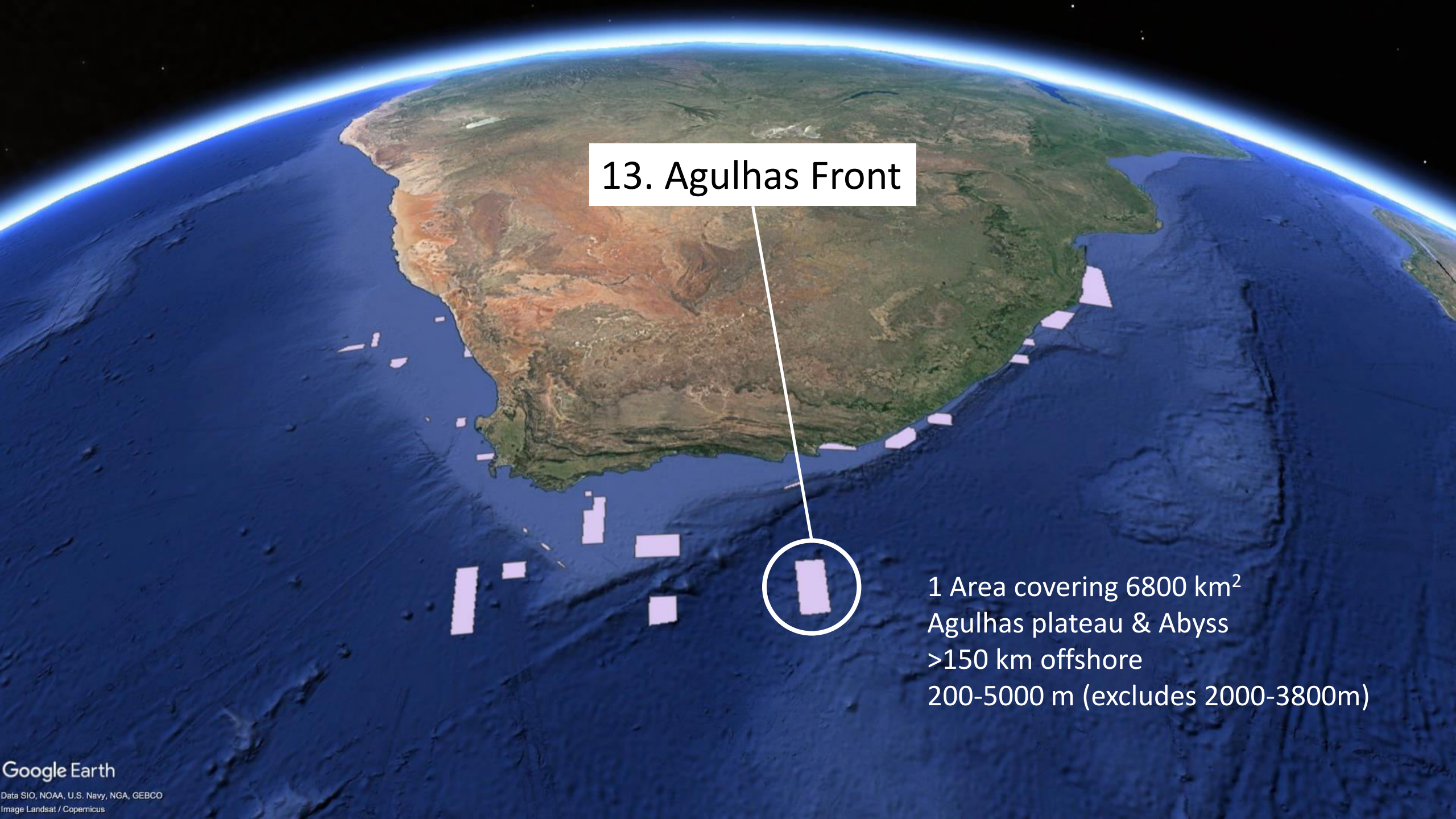
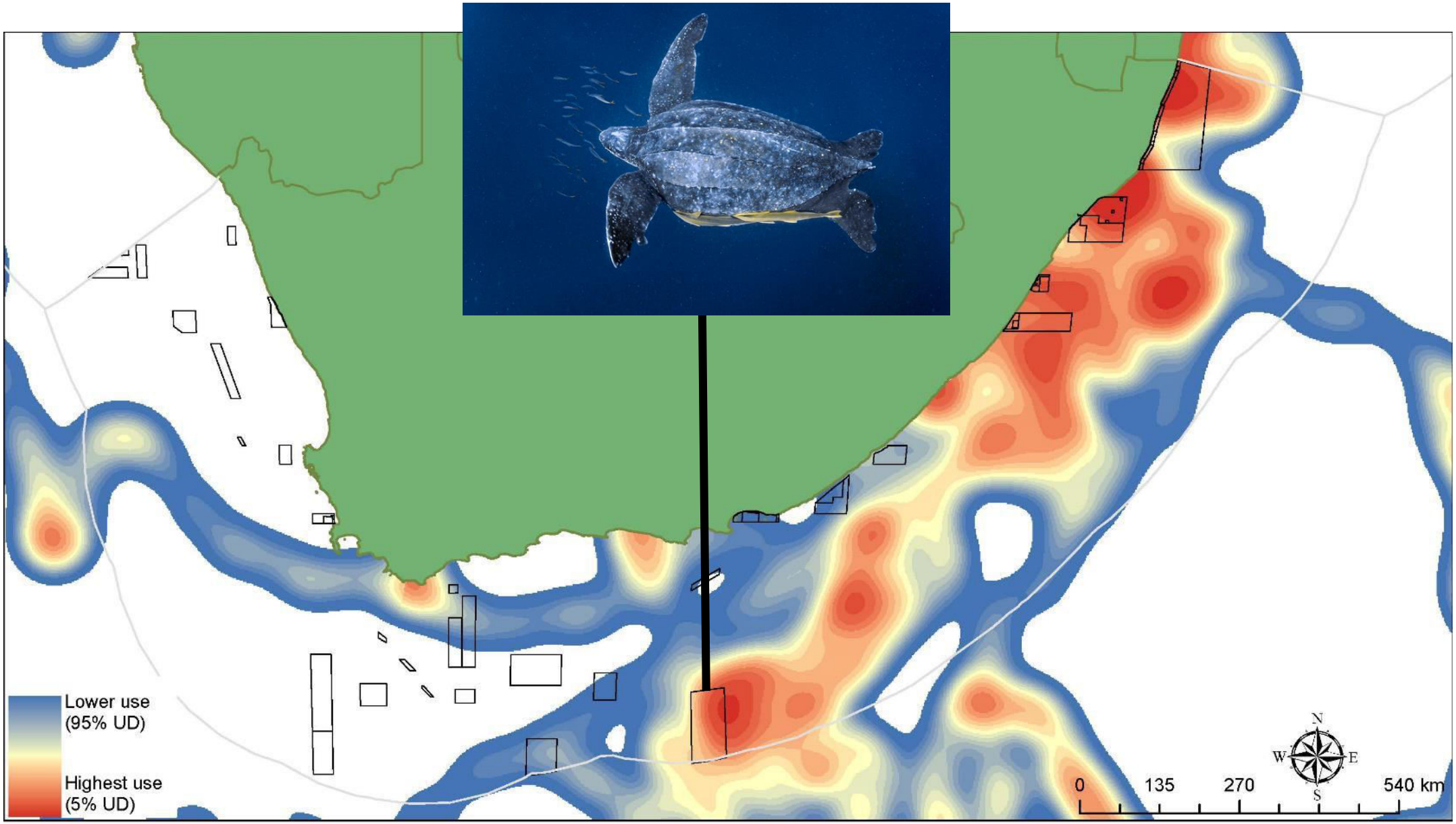
200 m
200 m

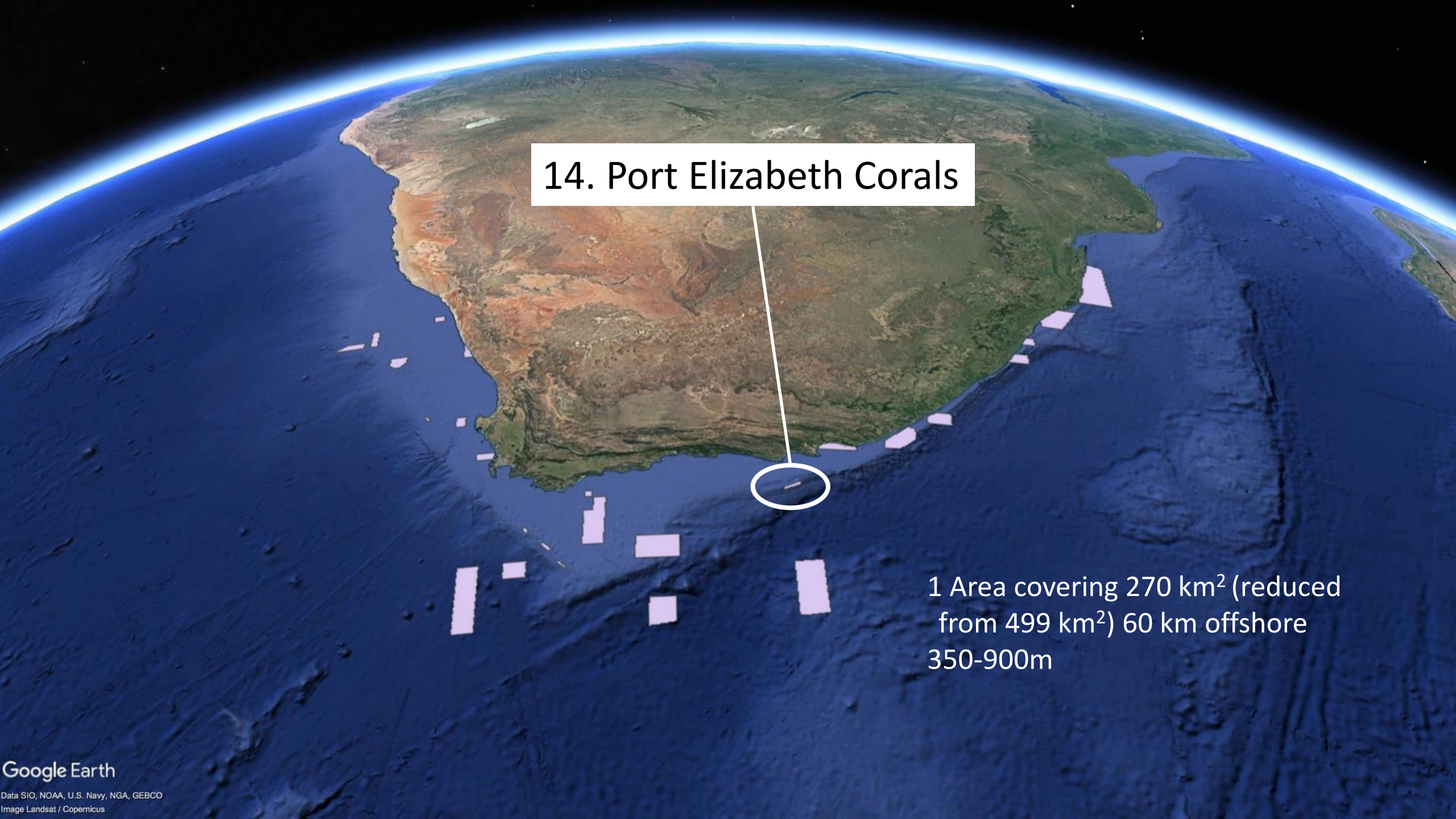

500 m

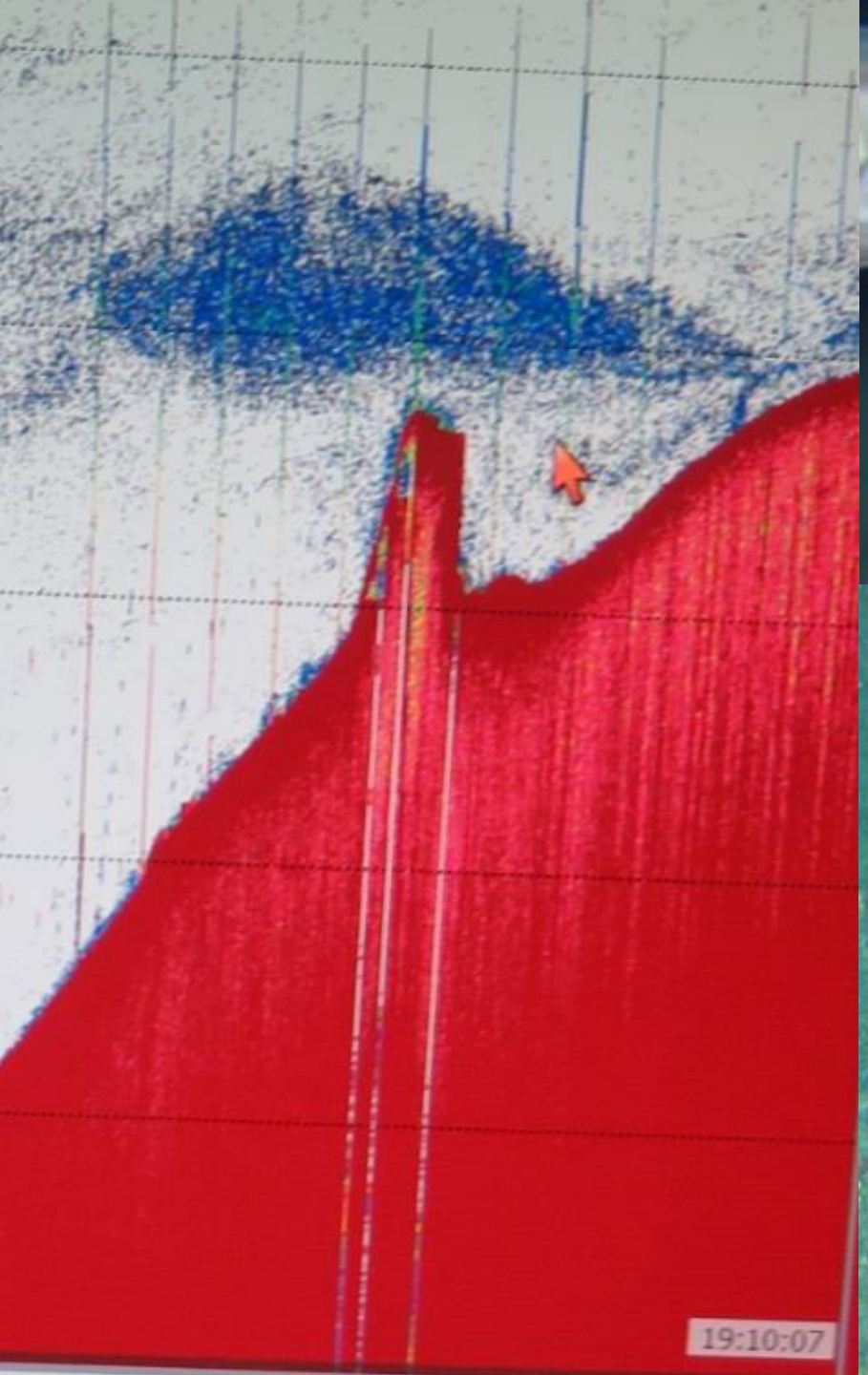
900 m
SHATTERPROOF


13. Agulhas Front
1 Area covering 6800 km^2
Agulhas plateau & Abyss
>150 km offshore
200-5000 m (excludes 2000-3800m)
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

Agulhas Front




14. Port Elizabeth Corals
1 Area covering 270 km^2 (reduced from 499 km^2) 60 km offshore 350-900m
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus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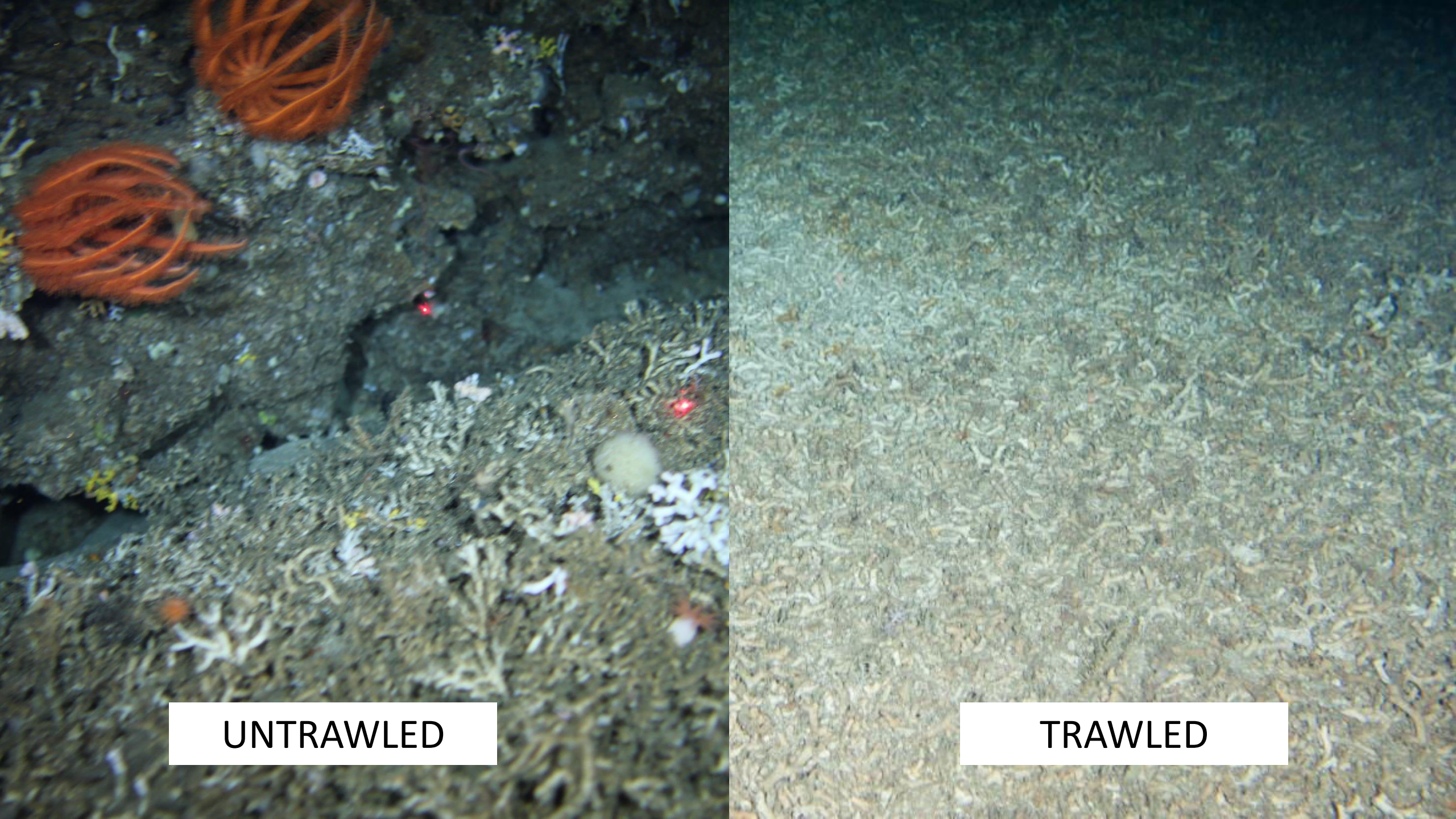
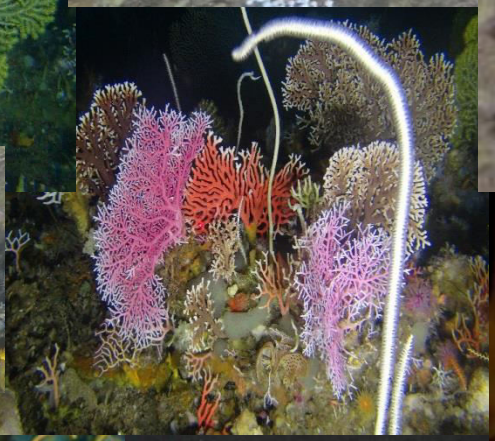
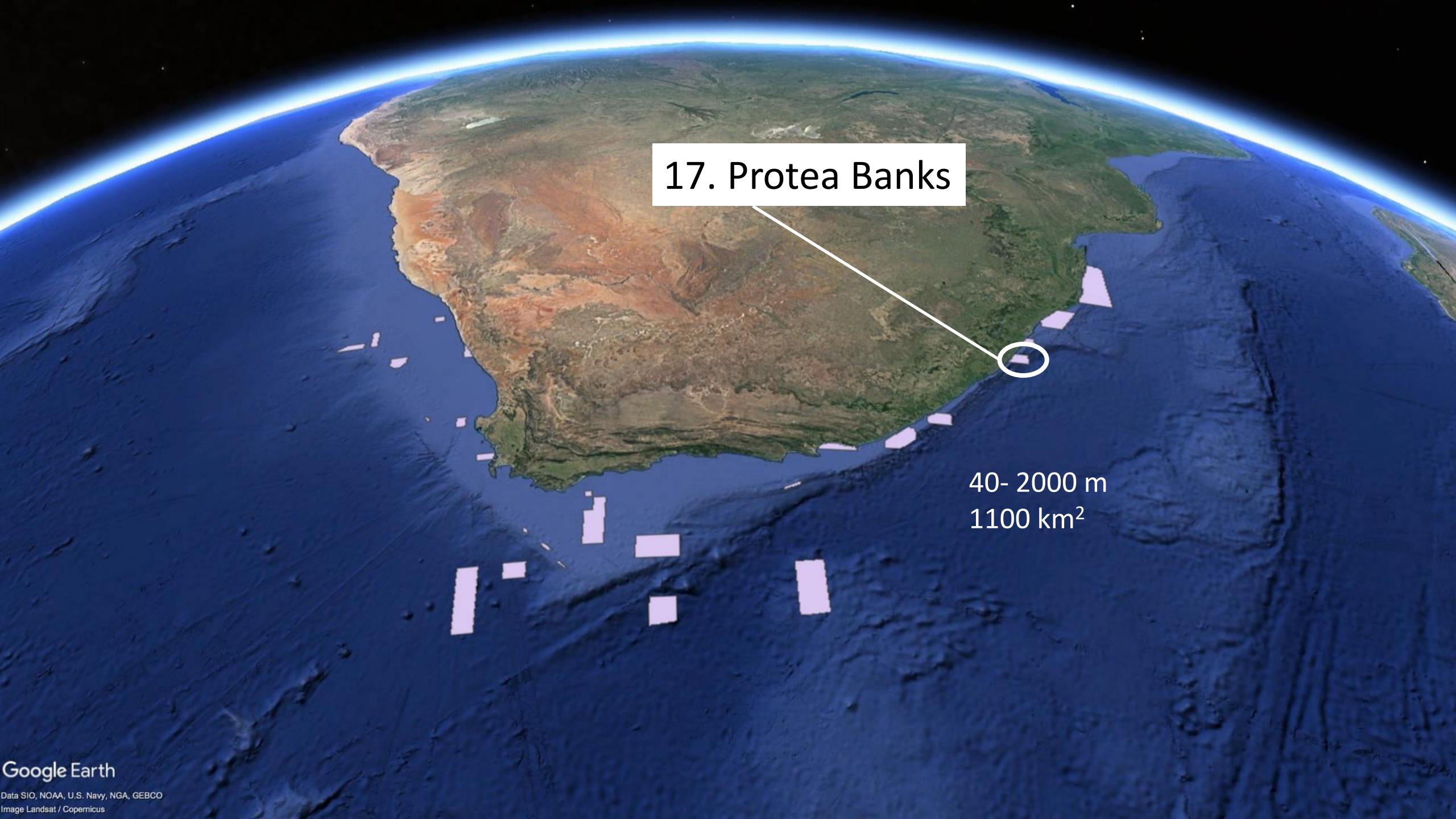
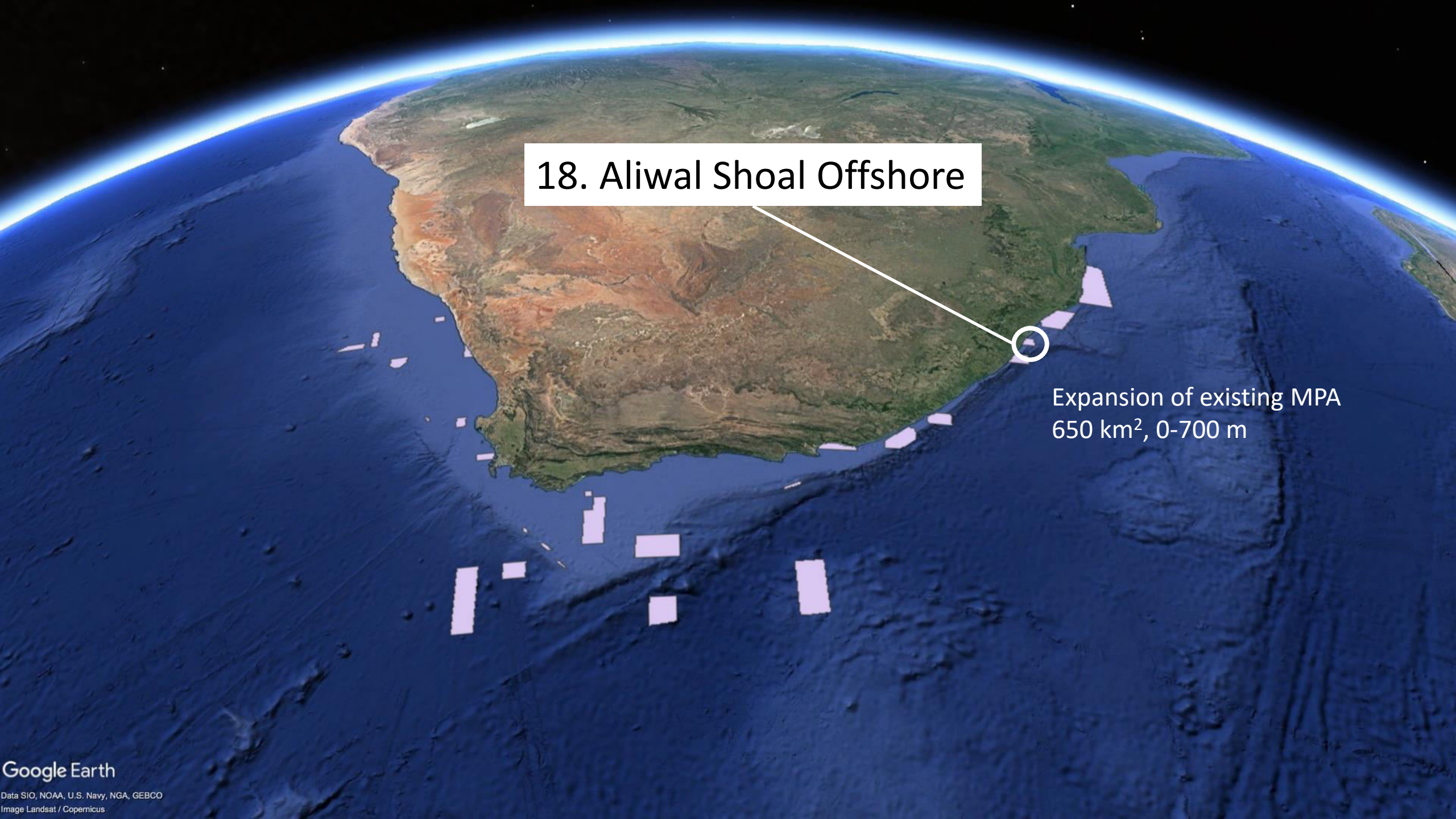

UNTRAWLED
TRAWLED

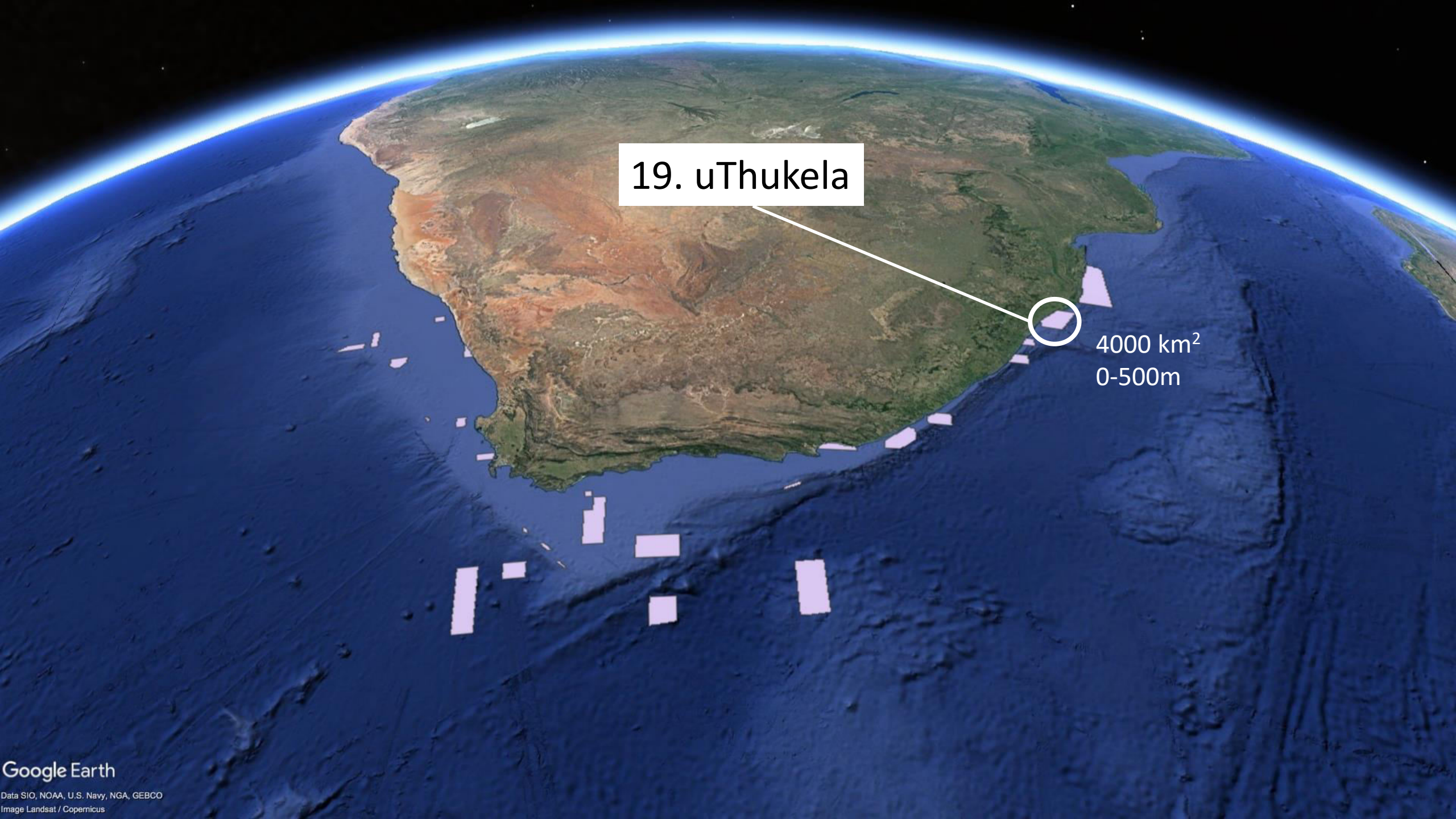
15. Addo Elephant National Park MPA
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

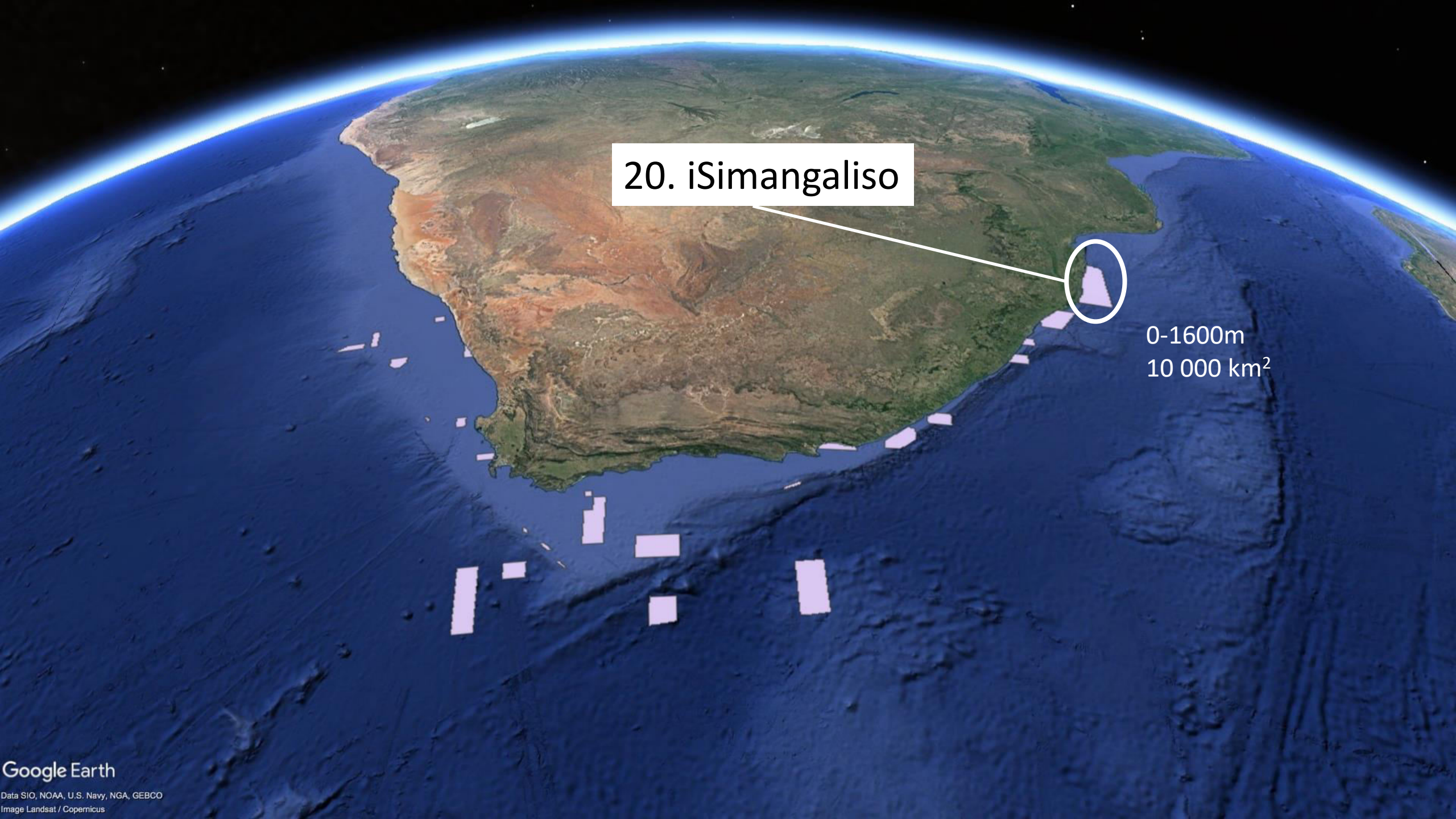
16. Amathole Offshore
2 Areas - 4000 km²
30 - 1500m deep
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

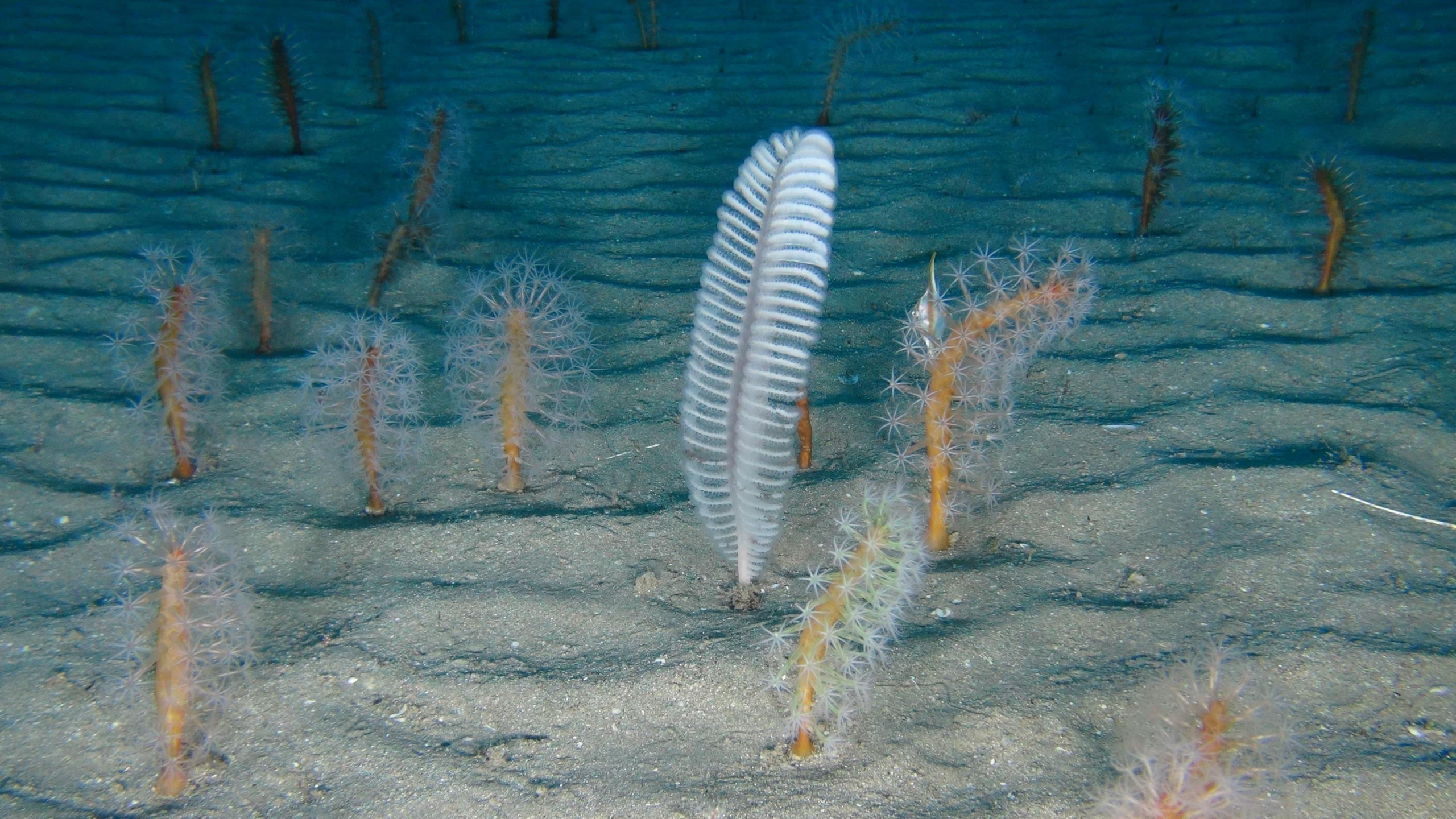



17. Protea Banks
40- 2000 m
1100 km²
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus


18. Aliwal Shoal Offshore
Expansion of existing MPA
650 km², 0-700 m
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus


19. uThukela
4000 km²
0-500m
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus


20. iSimangaliso
0-1600m
10 000 km²
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus



Thank you

Laurent Ballesta