Indicative map of areas to be included in a representative system of marine reserves and MPAs in the Southern Ocean

In order to confer the necessary protection to the wide variety of endemic marine life and unique ecosystems of the Southern Ocean, any future marine reserve and marine protected area (MPA) system must be circumpolar, across the whole Convention for the Conservation of Antarctic Marine Living Resources (CCAMLR) area and be of ambitious scale to be effective. This map provides an indication of the areas that have been identified by the Antarctic Ocean Alliance (AOA) as priorities on the basis of the best current scientific information. The AOA looks forward to working with CCAMLR Member countries to develop and implement a MR/MPA system that will provide a true legacy for future generations.

1. Antarctic Peninsula
   - Climate change reference area
   - Chinstrap and Adelie penguins

2. South Orkney Islands
   - High benthic biodiversity
   - Chinstrap and Adelie penguins

3. Weddell Sea
   - Highly productive area
   - Climate change reference areas during retreat of sea ice / ice shelves

4. South Georgia
   - Rare seamount habitats
   - Penguin and albatross foraging ranges

5. South Sandwich Islands Arc
   - Volcanic activity associated habitats
   - Land-based predators

6. Maud Rise
   - Area of high productivity for krill
   - Shelf to basin biodiversity including seamounts, canyons, ridges and plateaus

7. Bouvetøya
   - Unique benthic environment with mid-ocean ridge rift valleys, fracture zones and seamounts
   - Foraging area for land-based predators

8. Ob & Lena Banks
   - Recovering populations of toothfish
   - Rare seamount habitats

9. Del Cano Region
   - High levels of land-based predators
   - Benthic environment including seamounts & canyons

10. Kerguelen Plateau
    - The Grand Banks of the Southern Ocean
    - Recovering toothfish populations
    - Vulnerable marine ecosystems & canyons

11. Eastern Antarctic Shelf
    - Areas of high productivity
    - Climate change reference areas

12. Banzare Bank
    - Recovering toothfish populations
    - Vulnerable marine ecosystems & canyons

13. Kerguelen Production Zone
    - Unique benthic habitats including troughs, shelf commencing canyons, ridges and thermohaline current formed sediments

14. Indian Ocean Benthic Environment
    - Unique benthic habitats including troughs, shelf commencing canyons, ridges and thermohaline current formed sediments

15. Pacific Seamounts
    - Toothfish breeding habitat
    - Benthic biodiversity

16. Ross Sea
    - Intact top predator assemblage
    - Least disturbed oceanic ecosystem
    - Climate change reference area

17. Amundsen & Bellingshausen Seas (West Antarctic Shelf)
    - Climate change reference areas
    - Recognised vulnerable marine ecosystems

18. Peter I Island
    - Area of high productivity
    - Pacific Basin, De Gerlache, Belgica Guyot & Lecointe Seamounts

19. Balleny Islands
    - Land-based predator foraging ranges
    - Rare benthic habitat

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