

Freycinet Marine Park state of knowledge



Australian Government
Parks Australia



Australian
Marine Parks



Interactive [Map](#) and [Report](#).

Freycinet Marine Park features sediment dominated shelf areas, a high-profile granite reef, and low profile reef ridges along the mid-shelf. All these habitats support a diverse array of invertebrate communities and fish assemblages¹. It covers representative areas of four bioregions.

Depth - 43m – 5231m

47.8% of seafloor mapped, much at medium resolution to support biodiversity surveys.



KNV= Key Natural Values
Habitat or species that are particularly important to management

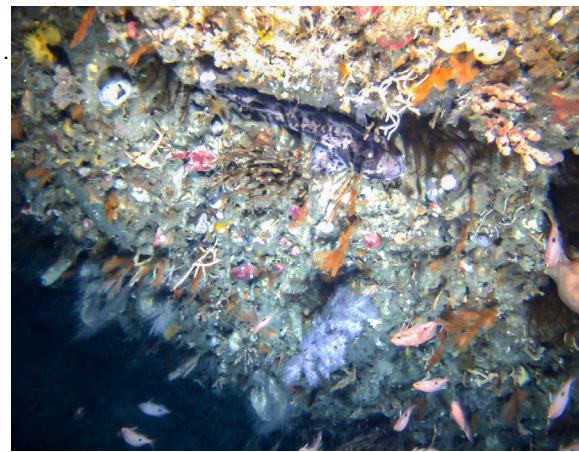
Further information:

1. Perkins et al. 2019. [Analysis of a time-series of benthic imagery from the South-east marine parks networks](#).

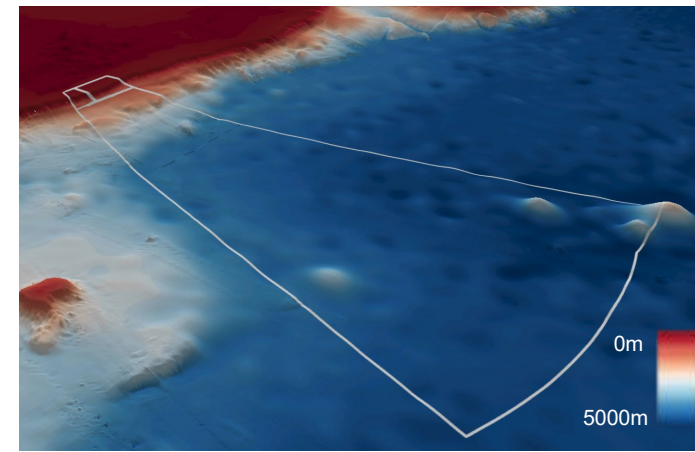
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Overall knowledge status

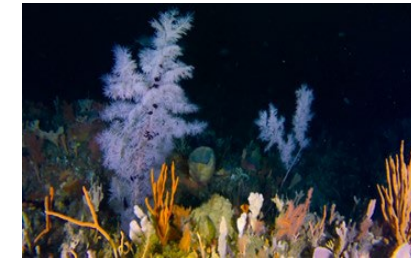
Freycinet Marine Park has a **medium level of knowledge** despite the small number of dedicated research voyages. Mapping and biological surveys have occurred in all identified priority areas.



Source: Nicholas Perkins.



Source: Geoscience Australia



Source: James Parkinson.

Feature of interest

Diverse mesophotic (deep) benthic communities and rare tree-forming black corals associated with granite reef features.



Source: Nicholas Perkins

Sponges and corals

Mesophotic (deep reef) featuring encrusting sponges and corals¹.

Deep reef

KNV

An isolated high-profile granite reef rising 20m above the surrounding seabed is covered in a diverse invertebrate fauna of sponges, gorgonian fans, mushroom corals and rare but distinctive tree-forming black corals. Unique fish communities associated with rare outcroppings of shelf break reefs are a feature of the park¹.

Monitoring priority

Are the condition of fish communities and rock lobsters on deep (mesophotic and rariphotic) rocky reefs improving or maintained through ecologically sustainable use of the park?

Key knowledge gaps

- Additional mapping of inner shelf reefs in the parks and reference sites north of park
- Benthic communities in upper slope reefs and sediments
- Recreational fishing effort and catch in the park

Key activities

Commercial and recreational fishing

Key pressures

Resource extraction
Climate change
Underwater noise