

# Heard and McDonald Islands solar panel monitoring system

Where are Heard Island and McDonald Islands located?

The islands are a territory (Territory of Heard Island and McDonald Islands) of Australia administered from Hobart by the Australian Antarctic Division of the Australian Department of Climate Change, Energy, the Environment and Water.

How big is Heard Island & McDonald Islands?

The group's overall land area is 372 km<sup>2</sup> (144 sq mi) and it has 101.9 km (63 mi) of coastline. Discovered in the mid-19th century, the islands lie on the Kerguelen Plateau in the Indian Ocean and have been an Australian territory since 1947. Heard Island and McDonald Islands contain Australia's only two active volcanoes.

Is Heard Island a subantarctic island?

The fauna of the freshwater pools, lakes, streams and mires found in the coastal areas of Heard Island are broadly similar to those on other subantarctic islands of the southern Indian Ocean. Many species reported from Heard Island are found elsewhere.

Does Heard Island have a wetland?

Heard Island has a number of small wetland sites scattered around its coastal perimeter, including areas of wetland vegetation, lagoons or lagoon complexes, rocky shores and sandy shores, including the Elephant Spit. Many of these wetland areas are separated by active glaciers. There are also several short glacier-fed streams and glacial pools.

Does Heard Island get snow?

According to the Australian Bureau of Meteorology, Heard Island (Atlas Cove) receives an average of 96.8 snowy days annually. [30] Meteorological records at Heard Island are incomplete. The islands are part of the Southern Indian Ocean Islands tundra ecoregion that includes several subantarctic islands.

Does Heard Island have a harbour?

Heard Island and the McDonald Islands have no ports or harbours; ships must anchor offshore. The coastline is 101.9 km (63.3 mi) in extent, and a 12 nmi (22 km) territorial sea and 200 nmi (370 km) exclusive fishing zone are claimed. [2]

The Australian subantarctic Heard Island and McDonald Islands (HIMI) Marine Reserve is among the world's most remote MPAs with notoriously harsh oceanographic conditions, and yet the...

The Heard Island and McDonalds Islands Reserve is the second-largest marine reserve in the world with a full prohibition on commercial fishing. The uninhabited, volcanic Heard Island and ...



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Heard Island and the McDonald Islands are free from introduced predators and provide crucial breeding habitat in the middle of the vast Southern Ocean for a range of birds. The surrounding waters are important feeding areas for birds and some scavenging species also derive sustenance from their cohabitants on the islands.

The AAD is also developing a strategic monitoring approach for Australia's subantarctic marine protected areas--the HIMI Marine Reserve and the Macquarie Island Marine Park. The strategy will guide research and monitoring activities to provide information on the health of the marine protected areas and the effectiveness of management actions.

The Proposal to expand Heard Island and McDonald Islands Marine Reserve - Public consultation paper ("proclamation proposal") has been prepared to support public consultation on the proposed design of an expanded Heard Island and McDonald Islands (HIMI) Marine Reserve.

The Heard Island and McDonalds Islands Reserve is the second-largest marine reserve in the world with a full prohibition on commercial fishing. The uninhabited, volcanic Heard Island and the McDonald Islands are territories of Australia, located close to Antarctica.

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The Australian subantarctic Heard Island and McDonald Islands (HIMI) Marine Reserve is among the world's most remote MPAs with notoriously harsh oceanographic conditions, and yet the region's rich mammal and fish resources have been exploited intermittently since the mid-1800s.

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