

Heard and McDonald Islands solstice energy systems

What is the significance of Heard Island & McDonald Islands?

Heard Island and the McDonald Islands, with the Kerguelen Islands, are exposed parts of the Kerguelen Plateau, possibly the largest submarine plateau on earth, and provide geochemical and isotopic insights into the formation of oceanic plateaux, mantle plume development and the separation of Australia, India and Africa from Antarctica.

Where are Heard and McDonald Islands?

Heard and McDonald Islands are remote sub-Antarctic volcanic islands located in the southern Indian Ocean about half-way between Australia and South Africa, and just over 1,600 kilometres from Antarctica. The property covers a total area of 658,903 hectares of which about 37,000 hectares is terrestrial, and the remainder marine.

Why are Heard Island and McDonald Islands isolated?

However, the site's isolation assists in reducing anthropogenic impacts upon the site's values. Heard Island and McDonald Islands are located in the Southern Ocean, approximately 1,700 km from the Antarctic continent and 4,100 km south-west of Perth.

Are Heard and McDonald Islands volcanoes?

Heard and the McDonald Islands are young oceanic-island volcanoes which, together with the Kerguelen Islands 466 km to the northwest, are the only subaerial expressions of the dominantly volcanic and relatively shallow northern part of the submarine Kerguelen Plateau which has a geological history extending over 115 Ma (Davies et al. 1989).

How big is Heard Island & McDonald Islands?

The group's overall land area is 372 km² (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.

When was Australian territory of Heard Island and McDonald Islands inscribed on the World Heritage List?

Australian Territory of Heard Island and McDonald Islands was inscribed on the World Heritage List in 1997. Australian Territory of Heard Island and McDonald Islands was one of 15 World Heritage places included in the National Heritage List on 21 May 2007.

Heard and McDonald Islands group show unique evolutionary adaptations to the environment, and several other invertebrate groups provide opportunities to study evolutionary processes in undisturbed populations at the southern limits

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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.

Big Ben has erupted several times over the past two decades. McDonald Island lies 43.5 kilometres due west of Heard Island, and is the major island in the McDonald Islands ...

The Territory of Heard Island and McDonald Islands contains outstanding examples of active geological processes continuing in a largely undisturbed environment, free of local anthropogenic impacts. The physical processes provide an understanding of hotspot magmatism in an intraplate setting and of atmospheric and oceanic warming.

McDonald Island is much smaller (2.5 km²), about 100 000 years old and totally ice-free, and is predominantly composed of phonolitic rocks. 9, 10 During the campaign, signs of volcanic activity ...

World Heritage Committee information for Heard and McDonald Islands. Brief synthesis. Heard and McDonald Islands are remote sub-Antarctic volcanic islands located in the southern Indian Ocean about half-way between Australia and South ...

The activity on the McDonald Islands group resulted in the island doubling in size and increasing in elevation by about 100 m (Australian Government 2016). Along with the French Kerguelen group of islands 440 km to the northwest, Heard and McDonald Islands form the only exposed parts of the submarine Kerguelen plume (Australian Government 2016).

???????????? (?????????????????????Heard Island and McDonald Islands ??:HIMI) ?????????????????? 1947????????????????? ...

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.

????????????(Heard Island and McDonald Islands?HIMI),????????????,???1600???????????? 1947????????????????? ?????????????,????????????,????????????,????????,????????? ...

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expand protection for the diverse and vulnerable benthic assemblages present on the shallow plateau, banks and upper slopes around Heard Island and McDonald Islands by including examples of all depth ranges and associated demersal fish ...

Heard Island and McDonald Islands are uninhabited, barren, Subantarctic islands in the Southern Ocean, far due south of India and roughly 400 km southeast of Kerguelen of the French ...

Les îles Heard-et-MacDonald, en anglais Heard and McDonald Islands et Territory of Heard Island and McDonald Islands [1], sont un territoire extérieur de l'Australie situé dans le sud de ...

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