

# Search for solar energy Heard and McDonald Islands

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.

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.

Is there a threat to Heard Island and the McDonald Islands?

Ongoing and accelerating climate change poses an increasing risk of fundamental alterations in biodiversity. Geological processes (primarily volcanism and glacial retreat) continue undisturbed. The overall assessment is that there is a low threat to the World Heritage values of Heard Island and the McDonald Islands if visitation remains low.

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 (63.3 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.

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]

Are there spiders on Heard Island?

The arthropods of Heard Island are comparatively well known with 54 species of mite and tick, one spider and eight springtails recorded. A study over summer at Atlas Cove in 1987/88 showed overall densities of up to 60 000 individual springtails per square metre in soil under stands of *Pringlea antiscorbutica*.

Due to the extreme isolation of Heard Island and McDonald Islands (HIMI), together with the persistently severe weather and sea conditions, human activities in the region have been, and remain, limited. ... Spit Bay, Atlas Cove and other minor camps distributed across the island. Power is supplied by small diesel generators, solar cells and ...

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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 group. It is a mere 186 metres high and it too has an active volcano. The McDonald Islands are so volcanically active they have doubled in area since 1980.

3 ???&#0183; Environment Protection and Biodiversity Conservation (Heard Island and McDonald Islands Marine Reserve) Proclamation 2002 We acknowledge the traditional owners and ...

Heard and McDonald Islands Heard and McDonald Islands This is one of the wildest and remotest places on earth. Heard Island is dominated by Big Ben, Australia's highest mountain and an active volcano, under a deep mantle of snow and glaciers. On the horizon, the volcanic McDonald Islands rise precipitously out of the world's stormiest waters.

Download data on annual catch and effort from AFMA logbooks. Total fishery value. Confidential due to the small number of fishers. Fishing gear. In the Heard Island and McDonald Islands Fishery, fishers mainly use longline fishing gear (demersal or bottom longline) to catch Patagonian toothfish and trawl gear (demersal or bottom trawl) for mackerel icefish.

of species of albatrosses, penguins and petrels that breed on Heard Island (Crawford et al., 2017; Rodriguez et al., 2019). However, the last recorded incidence of an IUU fishing vessel in the Heard Island and McDonald Islands Exclusive Economic Zone was more than a decade ago (IUCN Consultation, 2020a). Residential Areas

Terrestrial habitat connectivity for foraging, breeding and migratory seabirds and marine mammals - Heard Island and McDonald Islands are home to numerous nesting seabirds and breeding ...

How you can provide your comments. To have your say: read the proclamation proposal consultation paper. read the Gazette notice. read the scientific review commissioned by the Department of Climate Change, Energy, Environment and Water, Conservation values in the marine environment surrounding Heard Island and McDonald Islands read the Heard Island ...

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

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expanded Heard Island and McDonald Islands (HIMI) Marine Reserve.

The Territory of Heard Island and McDonald Islands [2] [3] (HIMI; [4] ISO 3166 region code: HMD, HM, 334; [5]) is an Australian external territory comprising a volcanic group of mostly barren Antarctic islands, about two-thirds of the way from Madagascar to Antarctica. 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.

Heard Island is 43 km long and 21 km wide. McDonald Islands are a group of uninhabited rocky islets, 40 km west of Heard Island (Encyclopaedia Britannica 2006). Heard Island has approximately 362.5 km<sup>2</sup> of area and the McDonald Island, 2.6 km<sup>2</sup>. The site includes the adjacent offshore rocks and shoals and all territorial waters to a distance of 12 nautical ...

This 3 days itinerary is the perfect guide to the best things to see in Heard and McDonald Islands. It includes day-by-day activities, travel tips, and the top places to visit. Day 1: Arrival and Initial Exploration. Morning. Arrive at Heard Island via expedition vessel, typically from ...

Island 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

The nearest landmass to the Heard and McDonald Islands is Kerguelen Island, part of the French Southern and Antarctic Territories, 450 kilometers to the northwest. Mawson Volcano on Heard Island holds another record: it is the only known permanently active volcano in the subarctic region of the earth.

3 ???&#0183; Environment Protection and Biodiversity Conservation (Heard Island and McDonald Islands Marine Reserve) Proclamation 2002 We acknowledge the traditional owners and custodians of country throughout Australia and acknowledge their continuing connection to land, waters and community.

Terrestrial habitat connectivity for foraging, breeding and migratory seabirds and marine mammals - Heard Island and McDonald Islands are home to numerous nesting seabirds and breeding marine mammals, including two endemic species, which rely on the surrounding waters to forage.

Named after individual people: Captain John Heard, American sealer who sighted the island on 25 November 1853 & Captain William McDonald, who discovered the McDonald Islands close to Heard Island six weeks later, on 4 January 1854

The Heard Island and McDonald Islands Marine Reserve was established in 2002. It is one of the world's largest highly protected (IUCN category 1A) marine reserves. We have prepared a report to inform the review of the marine reserve and its management plan: the Conservation values in the marine environment surrounding Heard Island and the McDonald ...

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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. As the only volcanically active subantarctic islands they "open a window into the earth", thus providing the opportunity to observe ongoing geomorphic processes and glacial dynamics.

We present the results of hydroacoustic flare observations around the underexplored volcanically active Heard Island and McDonald Islands on the Central Kerguelen Plateau. Flares were observed with a split-beam echosounder and characterized using multifrequency decibel differencing.

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