

Integrated solar system Heard and McDonald Islands

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.

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).

Who manages the Heard & McDonald Islands?

The islands are administered under the Heard and McDonald Islands Act of 1953 and the Environment Protection and Management Ordinance of 1987 by the Antarctic Division of the national Department of Tourism, Arts & Environment (formerly the Department of the Arts, Sport, the Environment, Tourism & Territories, DASETT).

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.

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.

Why is Heard Island important?

The isolation of the plant communities, combined with the increasing growth of habitat resulting from glacial retreat, makes Heard Island of significance for the study of plant colonisation.

Public consultation paper 1 Purpose of this document 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.

Location and Values: The Heard and McDonald Islands are remote sub-Antarctic volcanic islands located in the far south of the Indian Ocean, about 1,600 km from Antarctica and half-way between Australia and South Africa. They lie a little to the south of the French Austral Lands and Seas, and include an extensive surrounding marine reserve (which accounts for 94% of the ...

Mawson Peak on Heard Island is the highest Australian mountain (at 2,745 meters, it is taller than Mt. Kosciuszko in Australia proper), and one of only two active volcanoes located in Australian territory, the other being McDonald Island; in 1992, McDonald Island broke its dormancy and began erupting; it has erupted several times since, most ...

History & Geography. In the late 1850s, the islands were discovered by United Kingdom ball, and in 1910 were formally annexed with the raising of the Union Jack.. They are now administered by Australia ball.. Nowadays, only some people can visit the island, as it is a protected nature reserve, and a place for scientific research Surprisingly, Heard Island and ...

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.

This paper presents an updated assessment for the Patagonian toothfish (*Dissostichus eleginoides*) fishery at Heard Island and McDonald Islands (HIMI) in CCAMLR Division 58.5.2 with catch until the end of 2019 and observations until the end of 2018. The updated assessment model is based on the best available estimates of model parameters, the use of abundance ...

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The Heard Island and McDonald Islands Marine Reserve is currently being reviewed by the Australian government. Current protection levels are inadequate to protect areas of significant conservation value in this region, such as ...

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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

Heard Island and McDonald Islands in the Southern Ocean A map of Heard Island and McDonald Islands.

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Heard Island, by far the largest of the group, is a 368-square-kilometre (142 sq mi) mountainous island covered by 41 glaciers [21] (the island is 80% covered with ice [1]) and dominated by the Big Ben massif has a maximum elevation of 2,745 metres (9,006 ft) at ...

Photos of Heard Island and McDonald Islands. view 3 photos. Country Flag. View Details. Country Map. View Details. Locator Map. View Details. Contents. Introduction. Geography ... Legal system. Diplomatic representation in the US. Diplomatic representation from the US. Flag description. National heritage. Communications. Internet country code.

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. ... Australia and the Antarctic Treaty System; History of the Antarctic Treaty; ... Spit Bay, Atlas Cove and other minor camps distributed ...

The McDonald Islands group (2.45 km², max altitude 230 m, 43.5 km west of Heard Island) includes McDonald Island, Flat Island and Meyer Rock. McDonald Island is also volcanic; ...

Wakefield Reef ., Deacock " " .0 Glacier I. General map of Heard Island and McDonald Islands. ~ Heard Island and McDonald Islands 9 Periodic Australian research expeditions have been made to Heard Island since the Australian ANARE station was closed in 1955, and occasional visits have also been made by other nations.

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 ...

??? (Heard Island), ??????, ?????????????3800??, ??????2000??, ?????????40??, ?????????????1953?, ?????????????????1997 ?????????????????????????????? ...

Heard Island and McDonald Islands Patagonian toothfish (*Dissostichus eleginoides*) fishery in Division 58.5.2 Philippe Ziegler ... (GYM) to integrated stock assessment model (CASAL) 2014: Move from the RSTS to tag-recapture data as the main index of abundance Continued work on estimation of biological and model-related parameters, e.g. growth ...

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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 km² of area and



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the McDonald Island, 2.6 km². The site includes the adjacent offshore rocks and shoals and all territorial waters to a distance of 12 nautical ...

The Territory of Heard Island and McDonald Islands (HIMI) 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 size is 372 km² (144 sq mi) in area and it has 101.9 km (63 mi) of coastline. Discovered in the mid-19th century, the islands lie on ...

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The Heard Island and McDonald Islands (HIMI) Marine Reserve was established in October 2002. ... provide an effective conservation framework which will contribute to the integrated and ecologically sustainable management of the HIMI region as a whole; ... add representative examples of the HIMI EEZ to the National Representative System of ...

Heard Island and McDonald Islands Marine Reserve Management Plan . 2014-2024. ISBN: 978-1876934-255. ... Representative System of Marine Protected Areas. In recognition of its outstanding natural universal values, the Territory was inscribed on the World Heritage List in December 1997.

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