

R solar group Heard and McDonald Islands

Why are Heard Island and McDonald Islands vulnerable?

Heard Island and McDonald Islands and the surrounding ocean ecosystem are subject to various pressures due to their isolation, unique geography, and vulnerability. This report describes these pressures including from climate change, pollution, tourism, scientific research, and fisheries.

Where are the Heard and McDonald Islands located?

The Heard and McDonald Islands are remote subantarctic volcanic features located in the Southern Ocean, halfway between Australia and South Africa. They are approximately 1700 km from the Antarctic continent and 4000 km southwest of mainland Australia (Australian Government 2016). Heard Island is 43 km long and 21 km wide.

Who manages Heard Island & McDonald Islands?

They are managed by the Australian Antarctic Division. The islands are unoccupied by humans and remain one of the world's least anthropogenically disturbed areas. A map of Heard Island and McDonald Islands land areas updated in 2024 with recent coastline mapping and 2014 glacial...

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.

What is a hotspot under Heard Island & McDonald Islands?

A hotspot under Heard Island and the McDonald Islands is responsible for the volcanic activity in the region. (ABC: Kate Doyle) Volcanoes are more common at the boundaries of tectonic plates, where plates split or collide and magma escapes. That type of volcanism is well understood and proven but hotspots are not.

Does McDonald Island have a volcano?

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. Does anyone live there?

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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

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the northwest, Heard and McDonald Islands form the only exposed parts of the submarine Kerguelen plume (Australian Government 2016).

43 kilometres west of Heard Island. Heard Island is 368 square kilometres in area. Following significant subsea volcanic activity, McDonald Island is now approximately three square kilometres in area. The Reserve is some 71,000 square kilometres in area. Governance and people The Territory of Heard Island and McDonald Islands

In the heart of the Southern Ocean lies a haven for wildlife: Heard Island and McDonald Islands (known as HIMI). HIMI are a subantarctic island group and Australian external territory located in the Southern Ocean, around 4,000km southwest of Australia and 1,000km north of Antarctica.

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Britain formally claimed Heard Island and the McDonald Islands in 1910 and transferred them to Australia in 1947. They are now an external Territory of the Commonwealth of Australia. The island group was proclaimed ...

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Conservation of marine habitats in the region of Heard Island and McDonald Islands ANZAC Peak, Heard Island Australian Antarctic Division photo by G.W.Johnstone ©Commonwealth of Australia Final Report on Stage 1 to Environment Australia 14 January 2000 L. Meyer, A. Constable and R. Williams Australian Antarctic Division Kingston, Tasmania

While Heard Island is larger, the volcanic action on the smaller McDonald Island group, about 43km to the west, is much more violent. A map of Heard Island and the McDonald Islands. (ABC: Kate ...

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 ...

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 km² (144 sq

mi) and it has 101.9 km (63 mi) of coastline.

Australia will protect more oceans near Antarctica, after expanding marine park zones around Heard and McDonald Islands. The Government has finalised plans to protect an additional 310,000 square ...

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