

LO: CASE STUDY – a small scale example of sustainable management in the Arctic- *sustainable whaling*

SUCCESS CRITERIA: I CAN...

- *IDENTIFY... (1-2)*
- *DESCRIBE... (3-4)*
- *EXPLAIN... (5+)*

... A SMALL SCALE EXAMPLE OF SUSTAINABLE MANAGEMENT IN THE ARCTIC.

What type of whale am I?



<https://www.youtube.com/watch?v=jHvK9L6muaA>

DID YOU KNOW?

There are 17 different whale species (including dolphins and porpoises) in the Arctic.



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Why are we whaling? Whyyy are we whaling? (p132-133)

SUSTAINABILITY: *meeting the needs of the existing population without harming the ability of future generations to meet theirs. It is a balance of providing social, economic and environmental benefit for the long term.*

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EASIER (Grade 1-4):

Produce a whaling fact file by answering the following questions:

1. *What is sustainable whaling?*
2. *Why was commercial whaling in the 20th century not considered sustainable?*
3. *How many whales were killed by the late 1930's?*
4. *What was set up in 1946 to help sustainably manage whaling in the Arctic?*
5. *What did this involve?*
6. *Has this been successful?*

CASE STUDY

1. *Where is the Clyde River marine wildlife sanctuary?*
2. *What is it like? [size of area; population]*
3. *Why was it set up?*
4. *How does it promote sustainable management of whaling?*
5. *Why is it sustainable for some whales to be killed?*

TOUGH MUDDER (Grades 5+):

Create your own case study notes to explain how and why whaling is being managed sustainably in the Arctic.

Remember:

- ✓ *Name and Locate the case study*
- ✓ *Quote place specific detail (PSD) [facts/figures]*

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Conservation Successes in Canada

Bowhead Whale Sanctuary to be Protected in Nunavut!

An extensive area off the coast of Baffin Island, Nunavut, known as Niginganiq, has become Canada's newest proposed National Wildlife Area.

This area contains critical habitat for threatened bowhead whales. The new protected area includes two deep offshore troughs that are rich in copepods, a main food source for the 18 metre-long, 70-tonne bowhead whale. It also includes a shallow shelf at the entrance to the bay that provides protection from predatory orca whales. Other species that call this area home, and will benefit from its protection include, polar bears, ringed seals, Arctic char, halibut, narwhal, Canada geese, snow geese and king eider.



http://www.wwf.ca/about_us/successes/whale_sanctuary/

Protection zone for wildlife

Safe from h_____ &
pr_____

protects threatened species,
stops them becoming
e_____ or even
worse e_____

Inuits hunted and killed a
whale in 2014 – why was
that allowed?

EXAM QUESTION: Examine how successful one small scale example of sustainable management in either the Arctic or Antarctic has been (6 marks)

Sustainable whaling in the Arctic is an example of small-scale management in the Arctic. Sustainable management of whaling was needed in the Arctic because..... To try and management whaling sustainably they introduced.... This was sustainable because... However, this was unsuccessful because...

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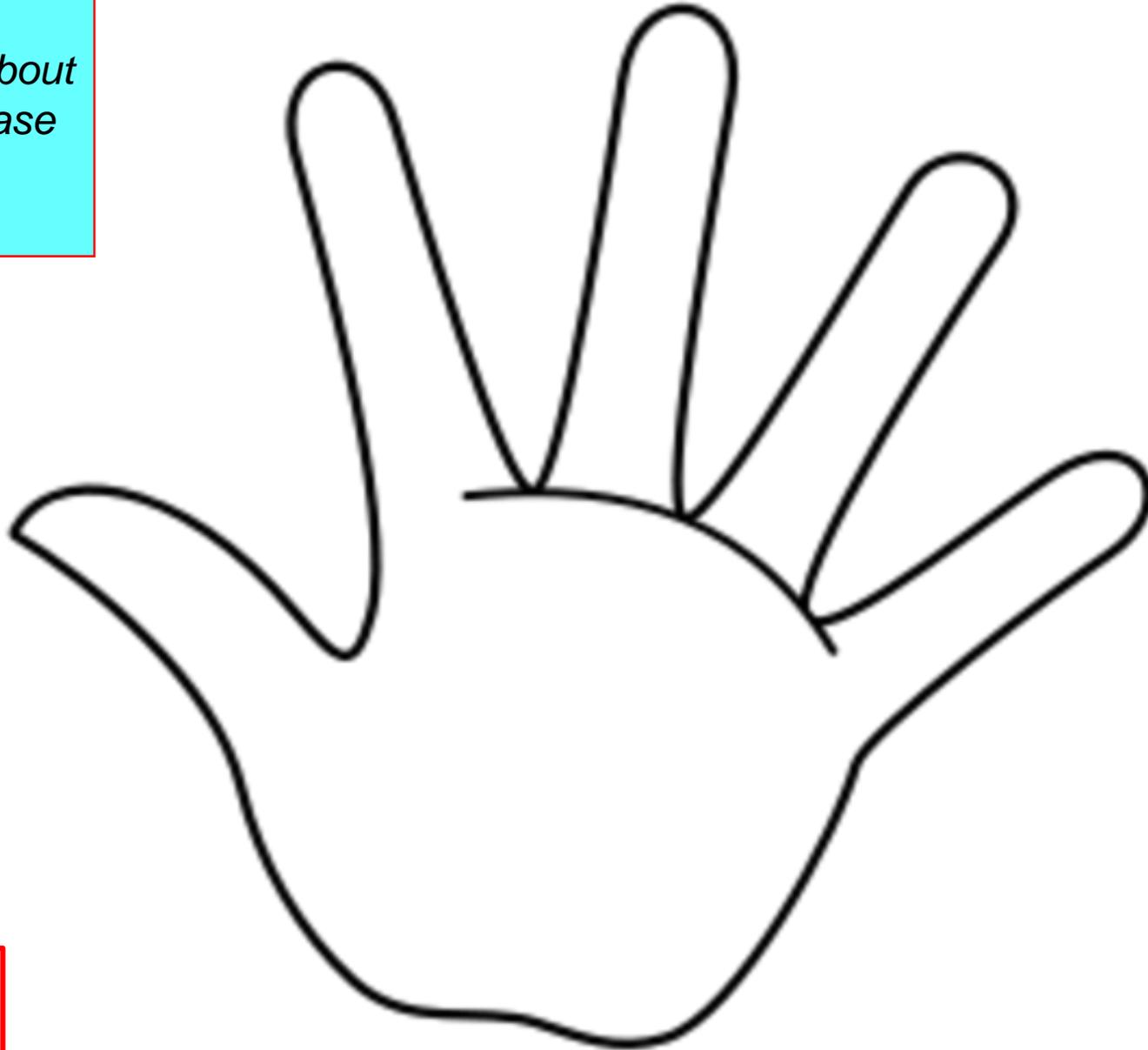
... A SMALL SCALE EXAMPLE OF SUSTAINABLE MANAGEMENT IN THE ARCTIC.



(d)	<p>Case study: a small scale example of sustainable management in either the Arctic or Antarctic</p> <p>Level 3 (5–6 marks) An answer at this level demonstrates thorough knowledge of a small scale sustainable management scheme (AO1) and a thorough evaluation of the success of the example of sustainable management (AO3).</p> <p>This will be shown by including well-developed ideas about the small scale sustainable management scheme and its success.</p> <p>The answer must also include place-specific details for the named management scheme. Amount of</p>	6	<p>Indicative content Case study: either Arctic or Antarctic example Max level 1 = large scale e.g. Earth Summit or Treaty's</p> <p>Examples could include sustainable tourism, conservation, whaling</p> <p>Example of well-developed ideas: Tour operators have an agreed set of rules for tourism for Antarctica, this includes the sustainable tourism management plan. Litter is one thing covered under the plan, and it has to be prevented and removed to maintain the areas ecosystems and natural beauty. This has had a positive impact on both the waste management and the habitats of birds and sea life in Antarctica. The plan has</p>
	<p>relevant place-specific detail determines credit within level.</p> <p>Level 2 (3–4 marks) An answer at this level demonstrates reasonable knowledge of a small scale sustainable management scheme (AO1) and a reasonable evaluation of the success of the example of sustainable management (AO3).</p> <p>This will be shown by including developed ideas about the small scale sustainable management scheme and its success.</p> <p>Developed ideas but no place-specific detail credited up to bottom of level. Valid named example needed for top of level.</p> <p>Level 1 (1–2 marks) An answer at this level demonstrates basic knowledge of a small scale sustainable management scheme (AO1) and a basic evaluation of the success of the example of sustainable management (AO3).</p> <p>This will be shown by including simple ideas about the small scale sustainable management scheme and its success.</p> <p>Simple ideas or appropriate named example only credited at bottom of level.</p> <p>0 marks No evidence submitted or the response does not address the question.</p>		<p>many positive points but also the tours themselves potentially have a number of negative impacts on ecosystems, such as interrupting species breeding routines. To mitigate this tour operators try to advise tourists on where to position themselves when viewing birds and animals to cause least impact.</p> <p>Example of developed ideas: The Antarctic tour operators have rules to help protect it for example by only allowing a certain number of people to go there and no litter is allowed to be left there. This has meant there are less people destroying the pristine ecosystem and those who do go do as little damage as possible.</p> <p>Example of simple ideas: People have been stopped from going on large ships to holiday in the Antarctic so that there is less damage to it.</p>

Give me 5...
specific facts and figures about
our sustainable whaling case
study
NO NOTES

C
A
S T U D I E S
E



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