

Place and People: Antarctica on the Edge

Programme 1

Activity 1 worksheet: Where is everything?

Compile your own detailed sketch map for understanding all references to Antarctica.
Use the base map provided, and add the following features and labels:

Latitude 66 degrees south –
the Antarctic Circle.

Central or Transantarctic Mountains.

Antarctic Peninsula.

James Ross Island.

Larsen Ice Shelf.

Ronne Ice Shelf.

Ross Ice Shelf.

South Pole

Weddell Sea

Bellingshausen Sea.

Ross Sea.

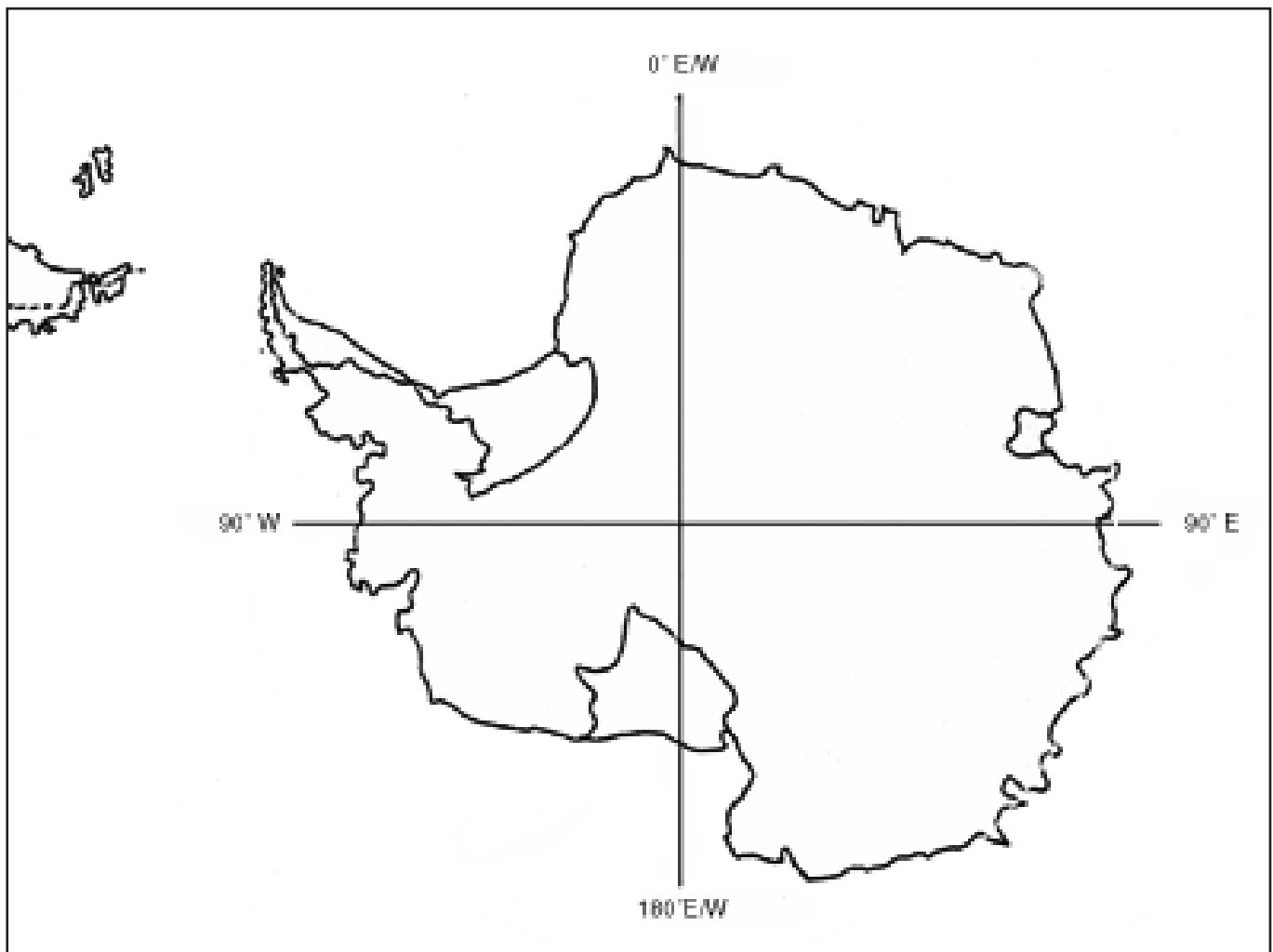
Queen Maud Land.

Falkland Islands.

Tierra del Fuego

Part of Chile

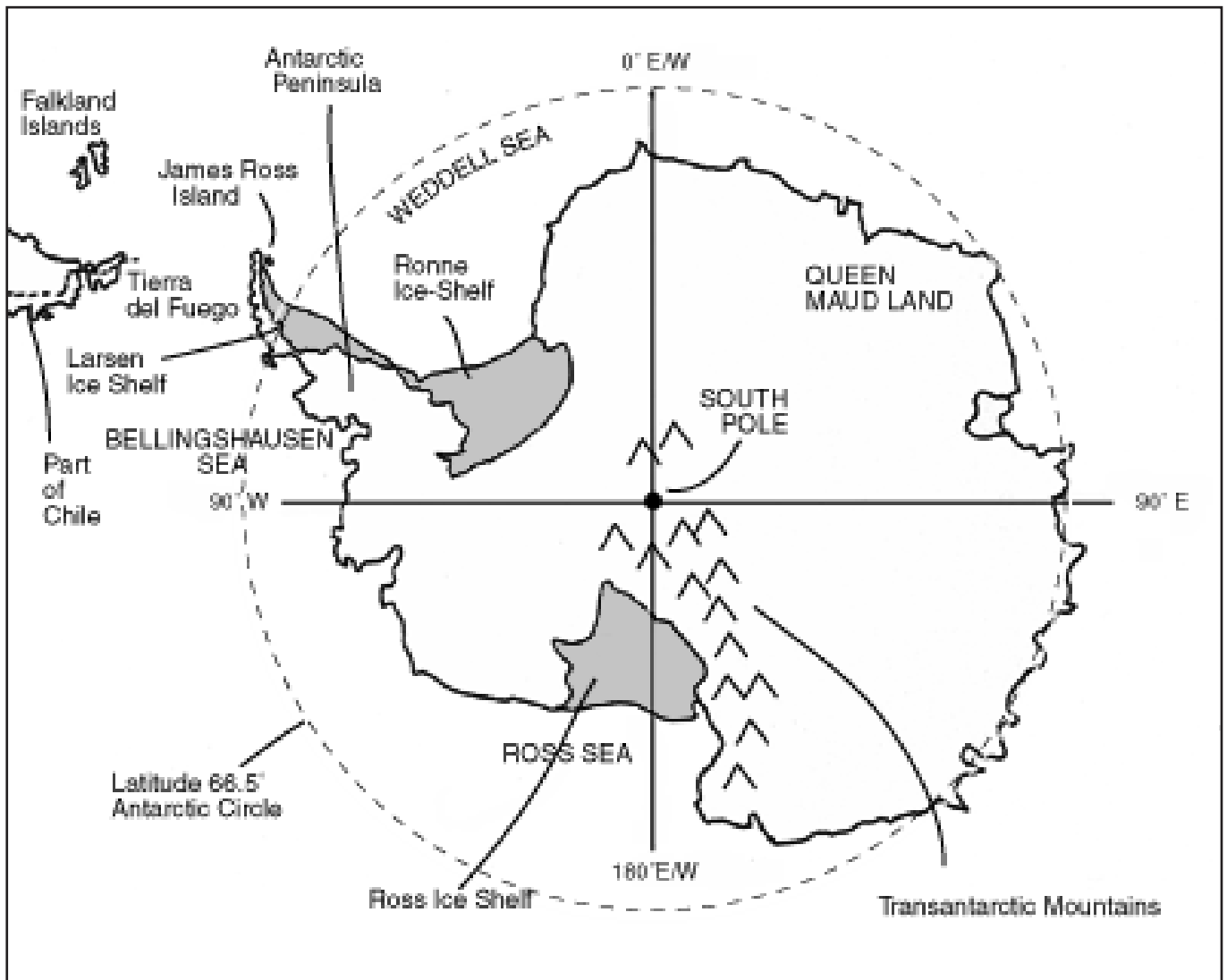
Part of Argentina



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Activity 1 answersheet



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Activity 2 worksheet: Historic Voyage

Review the video and notes on Greenpeace's ship circumnavigating James Ross Island.

When did this happen; why is it significant?

What specific evidence did the voyage provide of climate change in the region?

What are the local processes responsible for these changes to environmental conditions?

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Activity 3 worksheet: Save the Ice: Time for action

Most scientists believe the case for global warming is proven and very worrying; most politicians and the public who vote for them are slow to respond.

Use evidence to present a pamphlet/advertising poster ('Write to your MP/The Prime Minister') on the dramatic scale of events in Antarctica, the likely consequences and the pace of change.

You will find useful information in:

- parts of the Antarctica on the Edge Net Notes
- the following internet sites:

http://www.glacier.rice.edu/invitation/1_ice.html

<http://lrs.ed.uiuc.edu/students/downey/project/index.html>

<http://ccwf.cc.utexas.edu/~bogler/ecology/atmosphere.html>