



**A-level
GEOGRAPHY**

Paper 1 Physical Geography

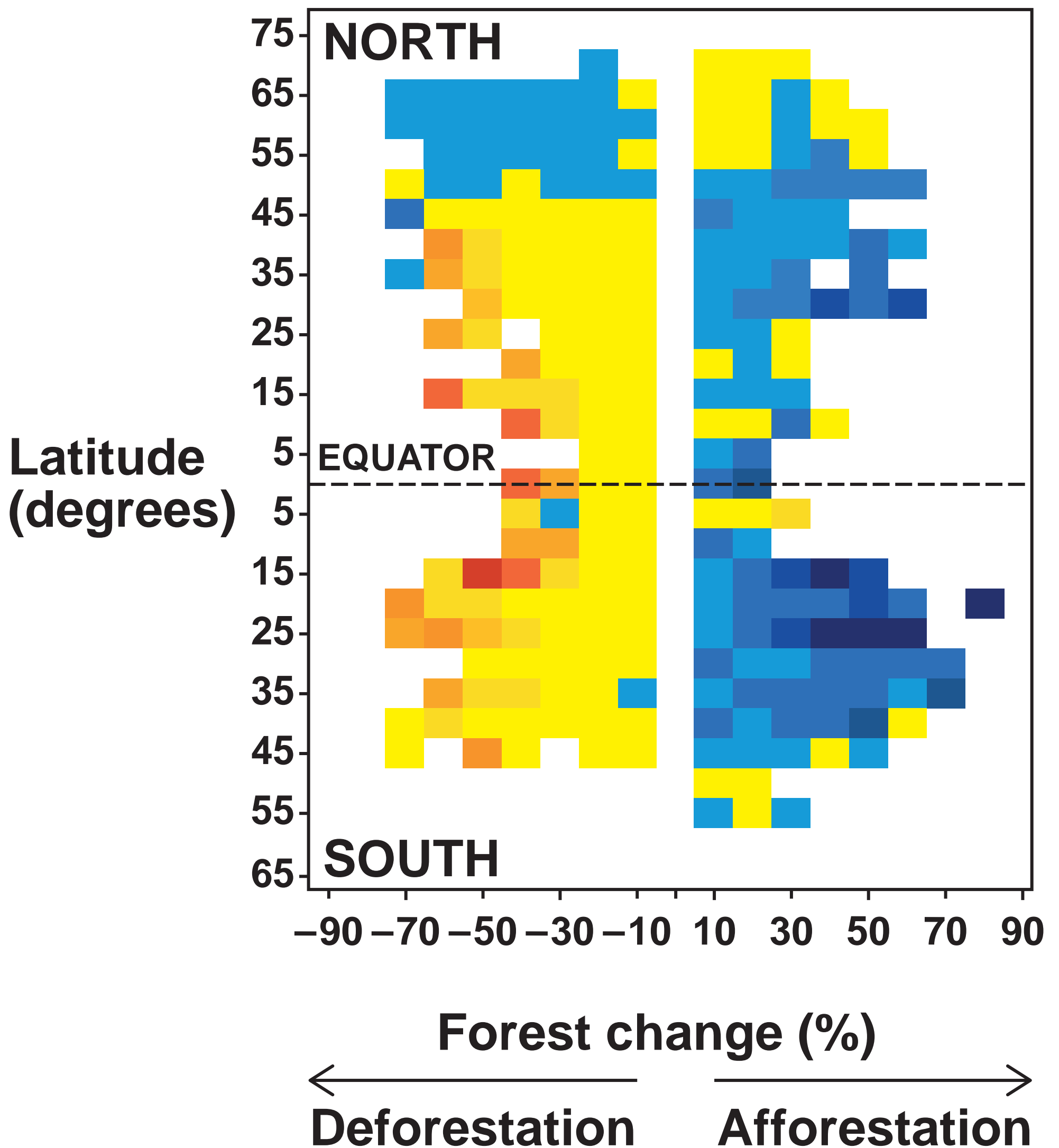
7037/1

Insert

[Turn over]

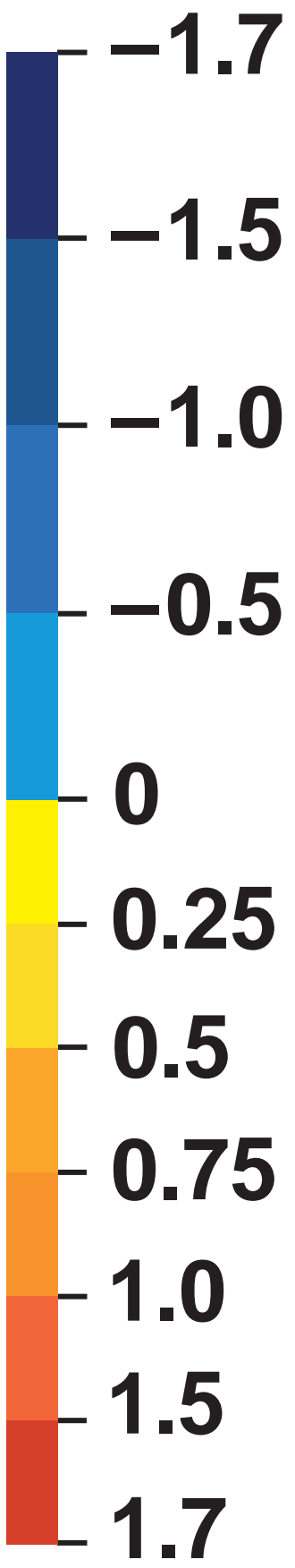
FIGURE 1

The impact of different rates of deforestation and afforestation upon land surface temperature (LST) at different latitudes. The data was collected between 2000 and 2011.



KEY

Change in land surface temperature (°C)



[Turn over]

FIGURE 2

A simplified version of Europe's forest carbon cycle

Infographic Europe's forest carbon cycle cannot be reproduced here due to third-party copyright restrictions.

Note 1: Between 1990–2005, Europe’s 1.5 million square kilometres of forests acted as a carbon sink absorbing about 120 teragrams of carbon more each year than they released, or 10% of the continent’s fossil-fuel emissions.

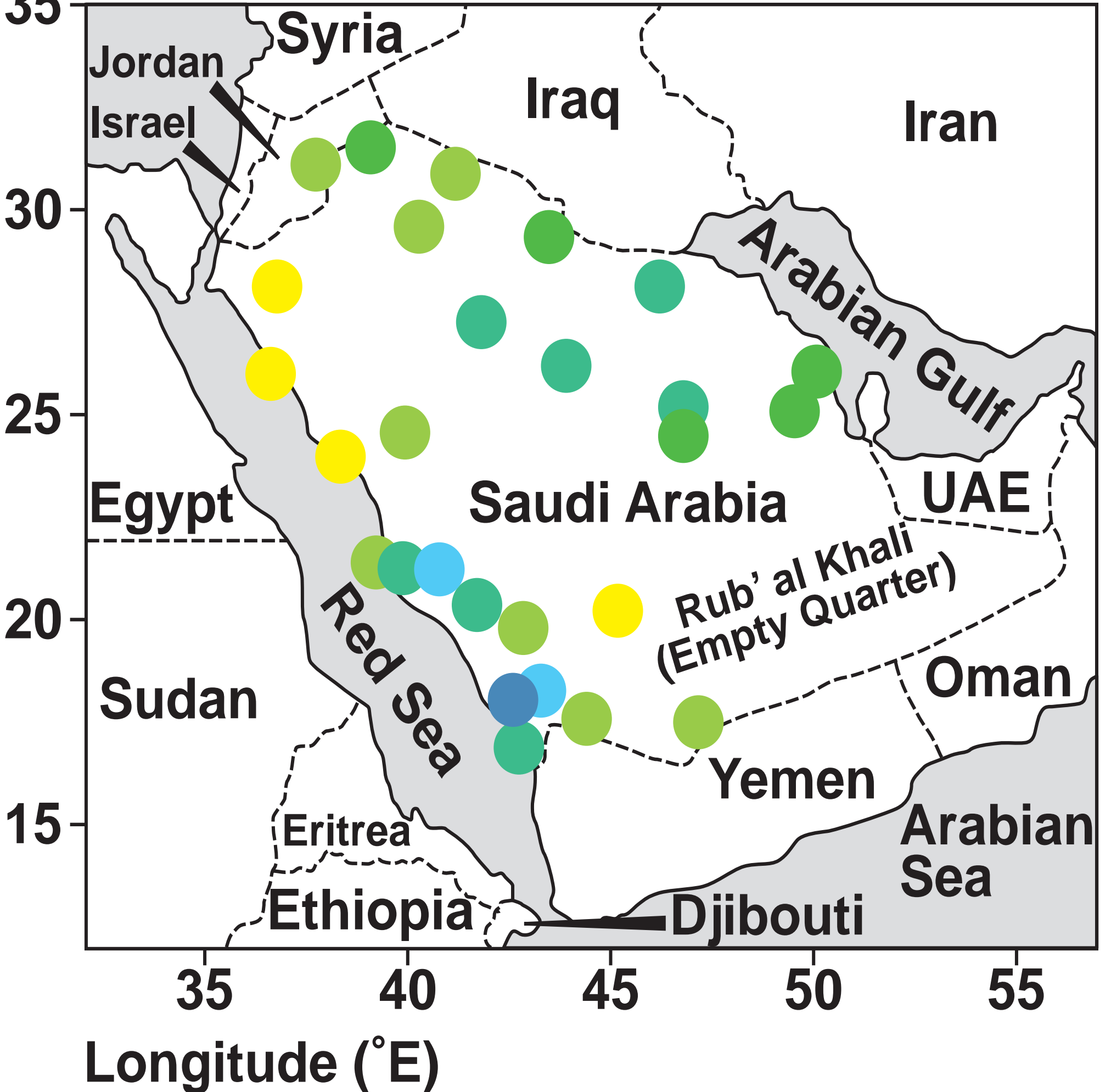
Note 2: A teragram (Tg) is equal to one billion kilograms.

[Turn over]

FIGURE 3a

Latitude ($^{\circ}$ N)

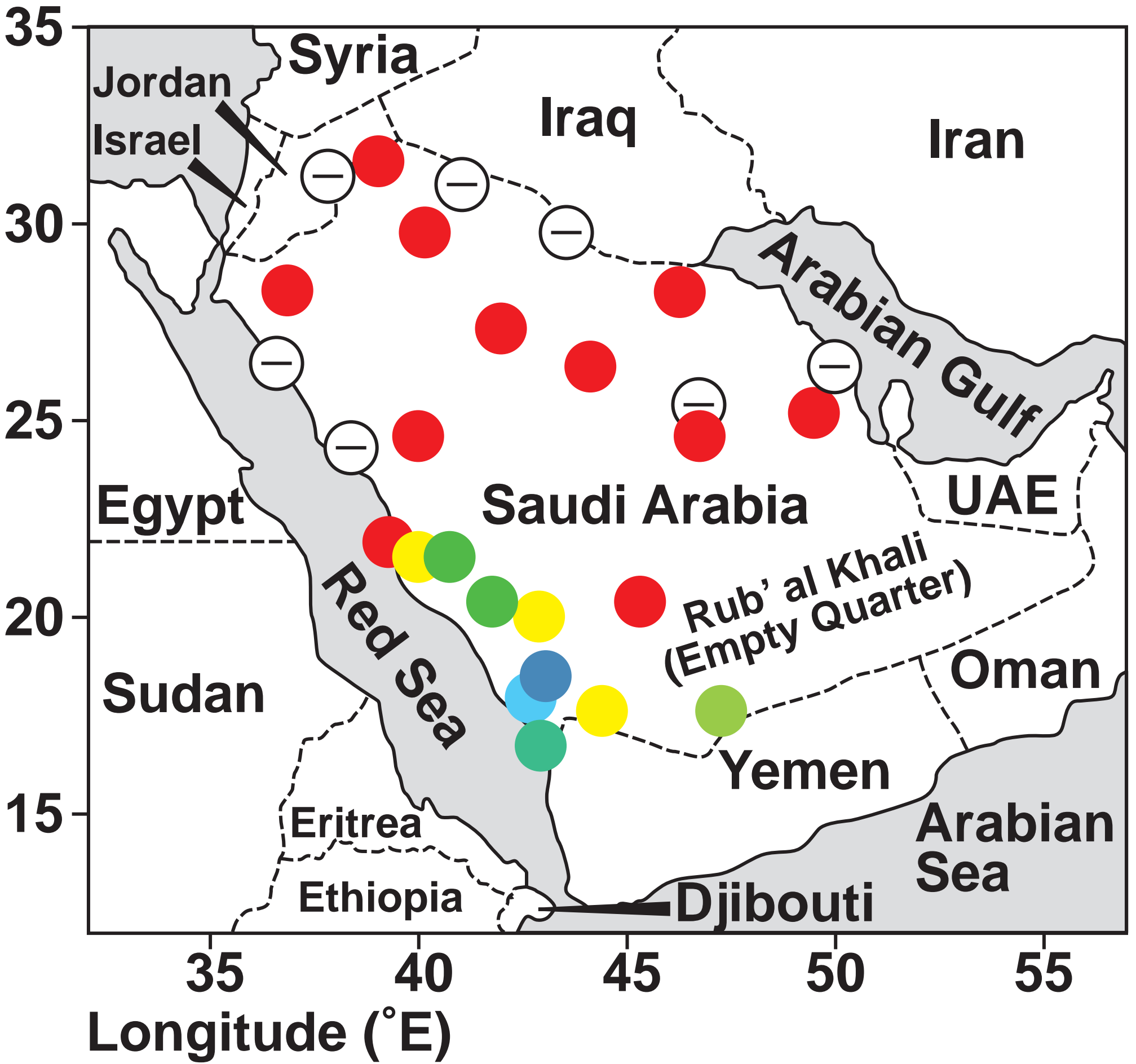
35



Note: The wet season runs from November to April and the dry season runs from June to September.

FIGURE 3b

Latitude (°N)



KEY – Rainfall (mm)



[Turn over]

FIGURE 4

Note: The landforms in this landscape are aligned approximately north-west to south-east and extend from between 16 km to 32 km in length, reaching heights between 60 metres to 240 metres. The sediment source is the Orange River, several kilometres away.

FIGURE 5 – The distribution of coastal erosion and accretion (sediment build up) across selected European coastlines in 2004



KEY

Status of coastline

— Accretion

— Erosion

— Stable

— No data

■ Countries not included in data coverage

0 500 1000 km

[Turn over]

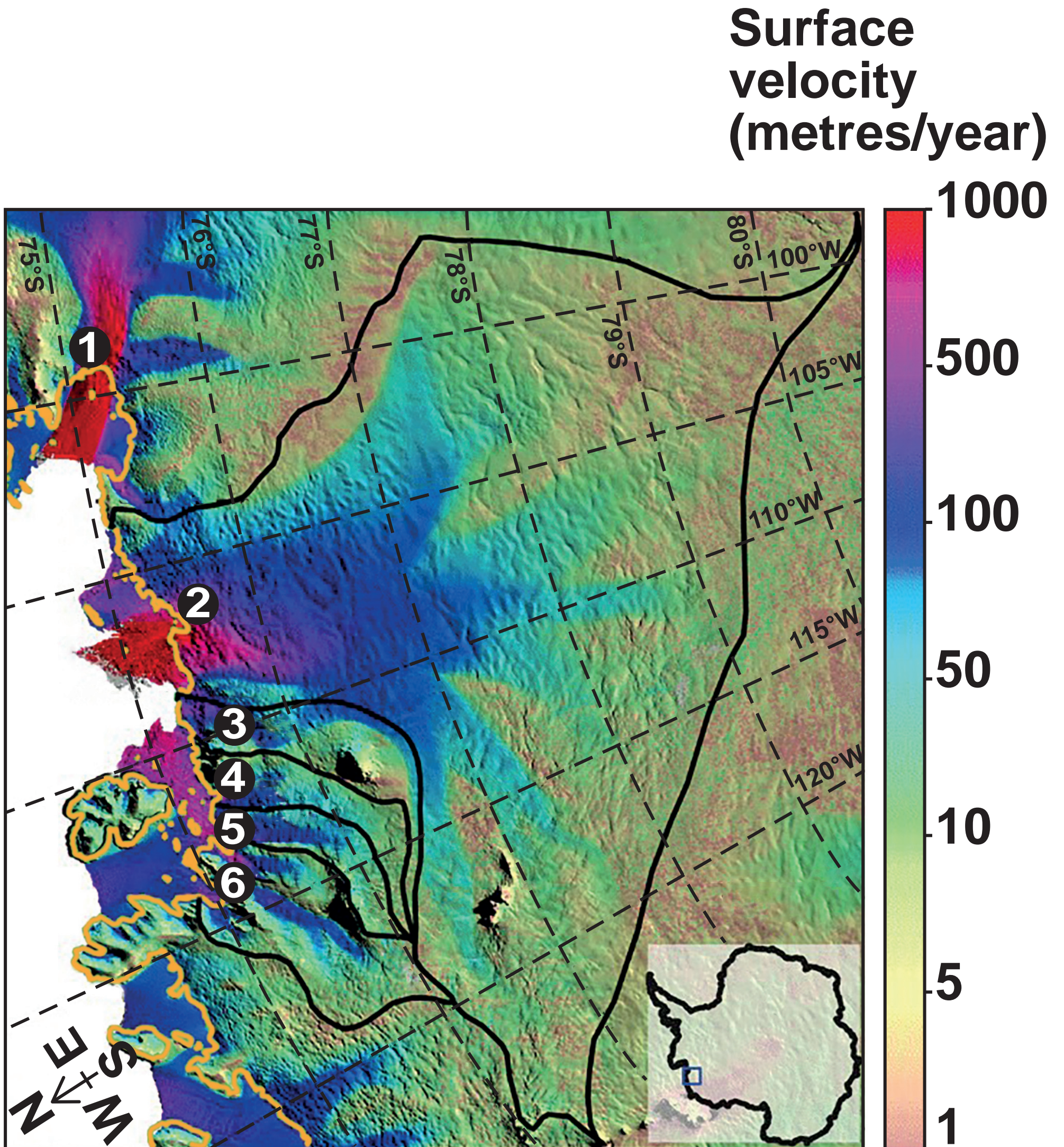
FIGURE 6

Note: This landform extends about 5 km across the Humber Estuary and is only 50 metres wide at its narrowest point. The Holderness coastline to the north comprises mainly boulder clay, which is unconsolidated material deposited at the end of the last ice age.

BLANK PAGE

[Turn over]

FIGURE 7 – The surface velocity of various glaciers, including Thwaites Glacier, Antarctica



KEY

1 Pine Island

2 Thwaites

3 Haynes

4 Pope

5 Smith

6 Kohler

— Boundary of glacier

— Grounding line position

0 100 km

Note: At the grounding line, glacier ice comes into contact with the sea and starts to float.

[Turn over]

FIGURE 8

Note: There are thousands of small, medium and large scale lakes in this region. This image was taken in early summer and much of the ice has yet to thaw. Local relief and other aspects of geomorphology determine the rate at which ice melts.

BLANK PAGE

[Turn over]

FIGURES 9a–9d – Information about volcanic eruptions

FIGURE 9a

**Infographics on volcanoes x4
cannot be reproduced here due to third-party copyright
restrictions.**

FIGURE 9b

**Infographics on volcanoes x4
cannot be reproduced here due to third-party copyright
restrictions.**

[Turn over]

FIGURE 9c

**Infographics on volcanoes x4
cannot be reproduced here due to third-party copyright
restrictions.**

FIGURE 9d

**Infographics on volcanoes x4
cannot be reproduced here due to third-party copyright
restrictions.**

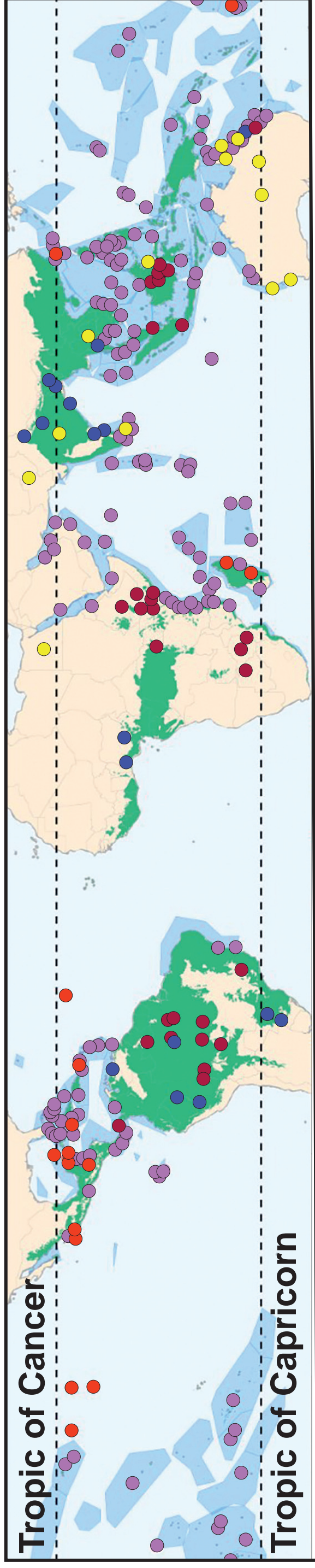
[Turn over]

FIGURE 10 – Information about the 2010 earthquake in Haiti

Infographic in Haiti Earthquake cannot be reproduced here due to third-party copyright restrictions.

FIGURE 11

Selected climate extremes and impacts affecting coral and forests in tropical and sub-tropical regions



KEY

- Tropical storm
- Extreme heat
- Drought/fires
- Flooding
- Coral bleaching
- Coral regions
- Tropical and sub-tropical forest regions

[Turn over]

FIGURE 12 – Information about coral reefs

**Infographic on coral
cannot be reproduced here due to third-
party copyright restrictions.**

END OF SOURCES

BLANK PAGE

BLANK PAGE

Copyright information

For confidentiality purposes, all acknowledgements of third-party copyright material are published in a separate booklet. This booklet is published after each live examination series and is available for free download from www.aqa.org.uk.

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders may have been unsuccessful and AQA will be happy to rectify any omissions of acknowledgements. If you have any queries please contact the Copyright Team.

Copyright © 2021 AQA and its licensors. All rights reserved.

G/KL/Jun21/7037/1/Insert/E2

