

Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Tuesday 21 May 2019

Afternoon (Time: 1 hour 30 minutes)

Paper Reference **1GA0/01**

Geography A

Paper 1: The Physical Environment

Resource Booklet

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SECTION A

The Changing Landscapes of the UK

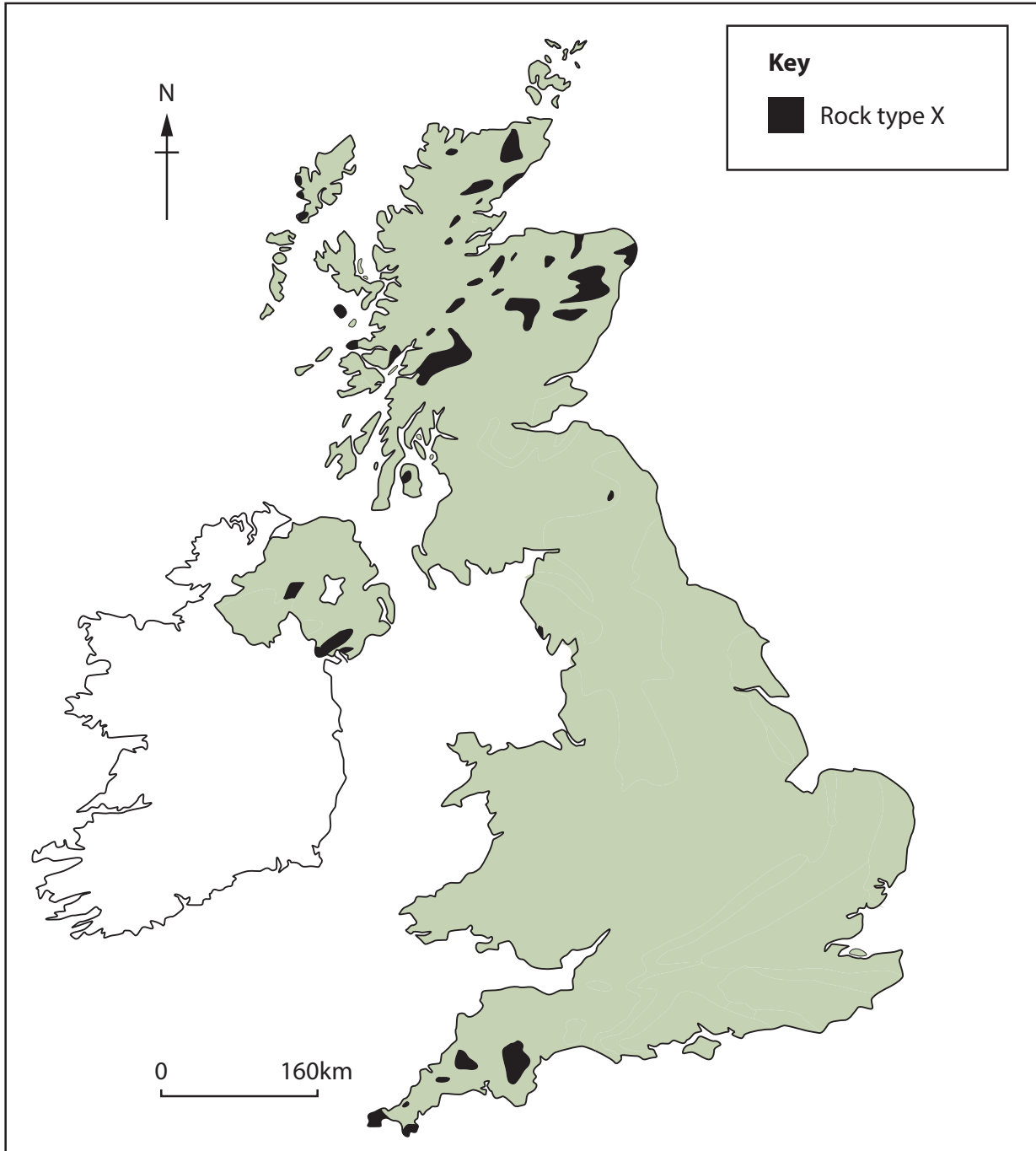


Figure 1

A map of the UK showing a selected rock type





1996



2012

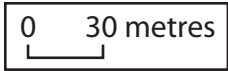
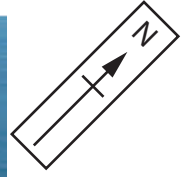


Figure 2
Aerial photographs showing the coastline at Happisburgh, East Anglia in 1996 and 2012

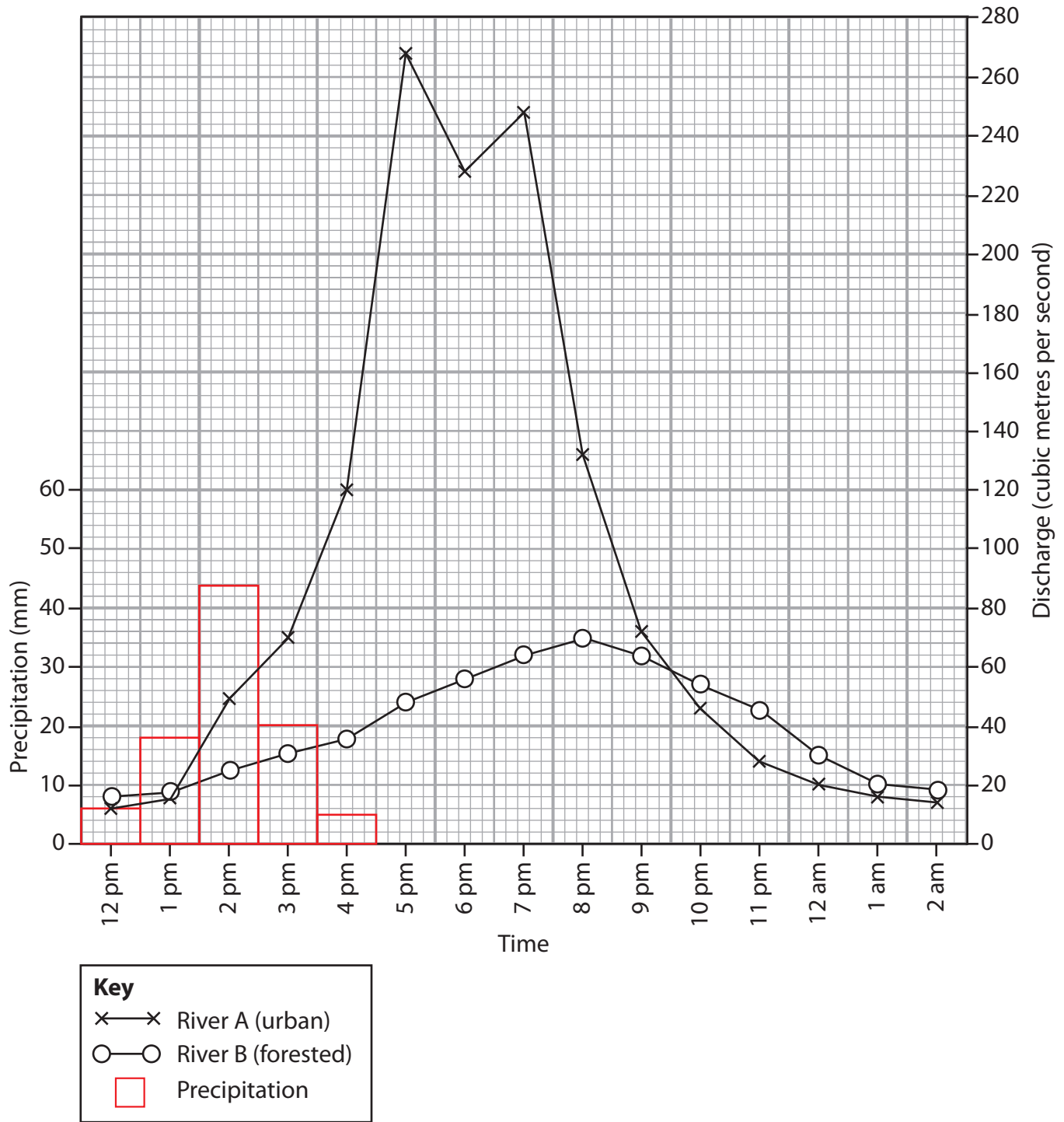


Figure 3

Storm hydrographs for an urban catchment (River A) and a forested catchment (River B) following a period of rainfall



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Figure 4a

A photograph looking North West to Llyn Cau (a glacial lake formed in the bottom of a corrie), Cadair Idris, Wales

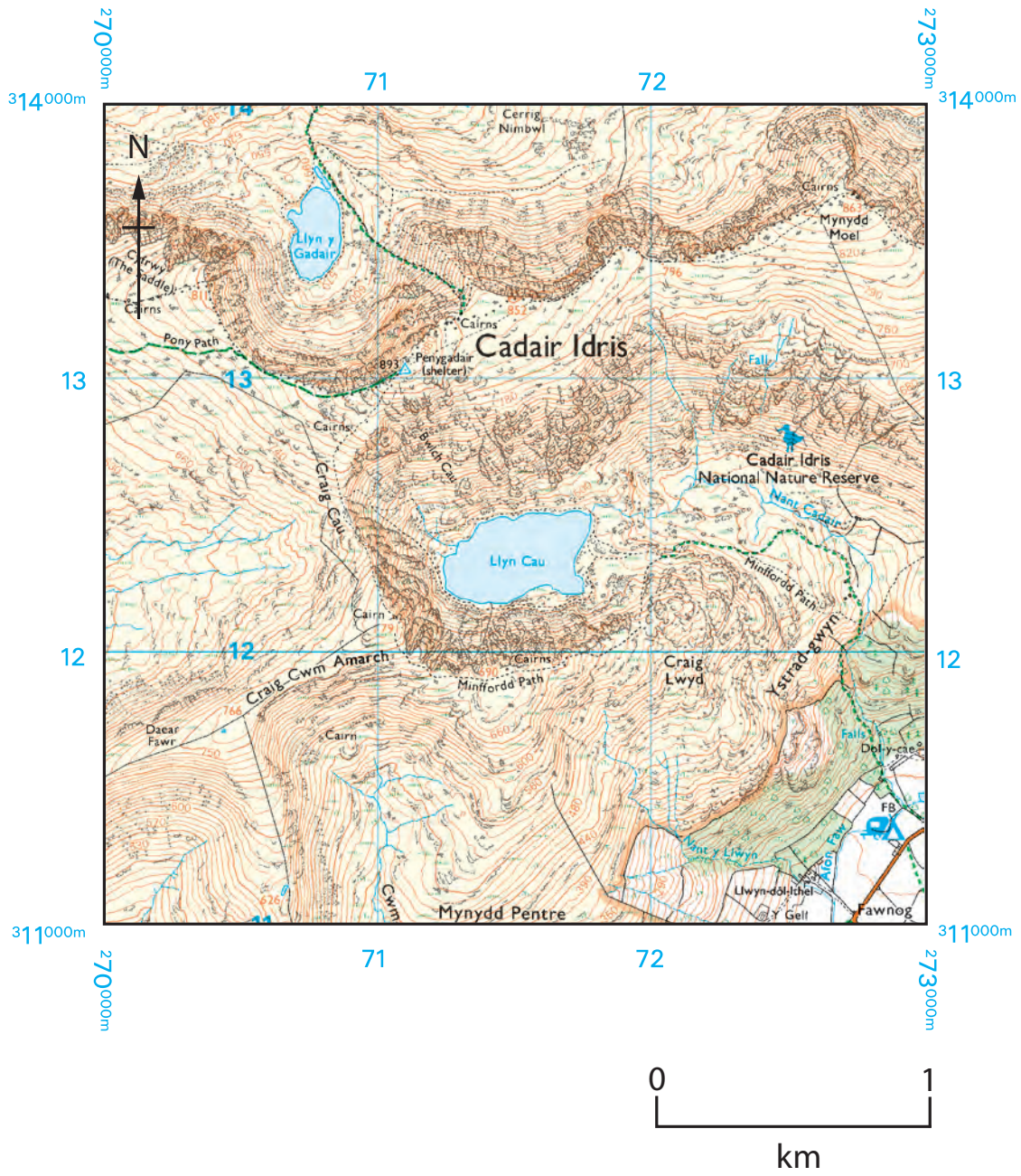


Figure 4b
An Ordnance Survey map of Cadair Idris, Wales



SECTION B

Weather Hazards and Climate Change

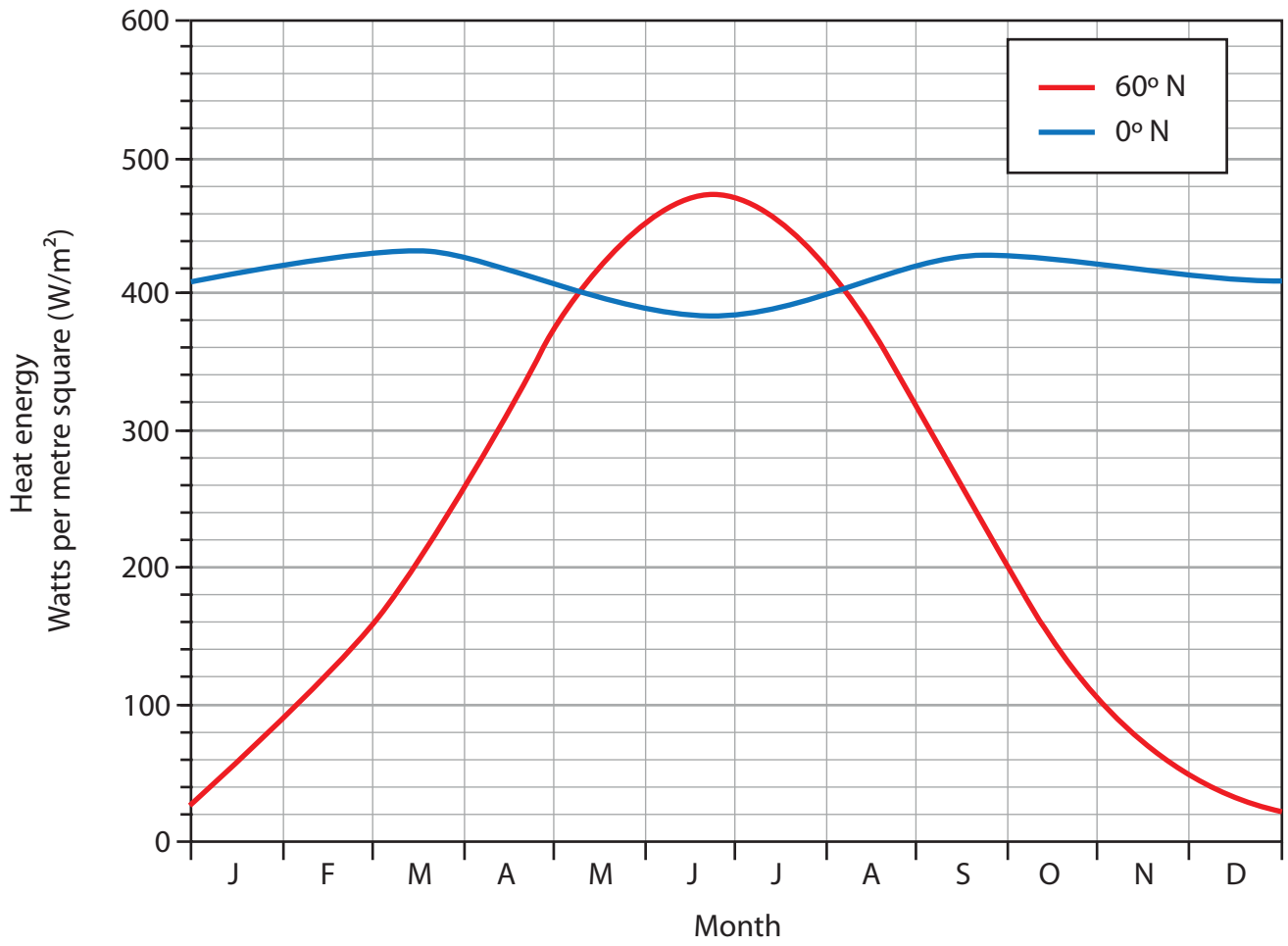


Figure 5b

Monthly values of heat energy received from the sun at different latitudes in Watts per metre square (w/m^2)



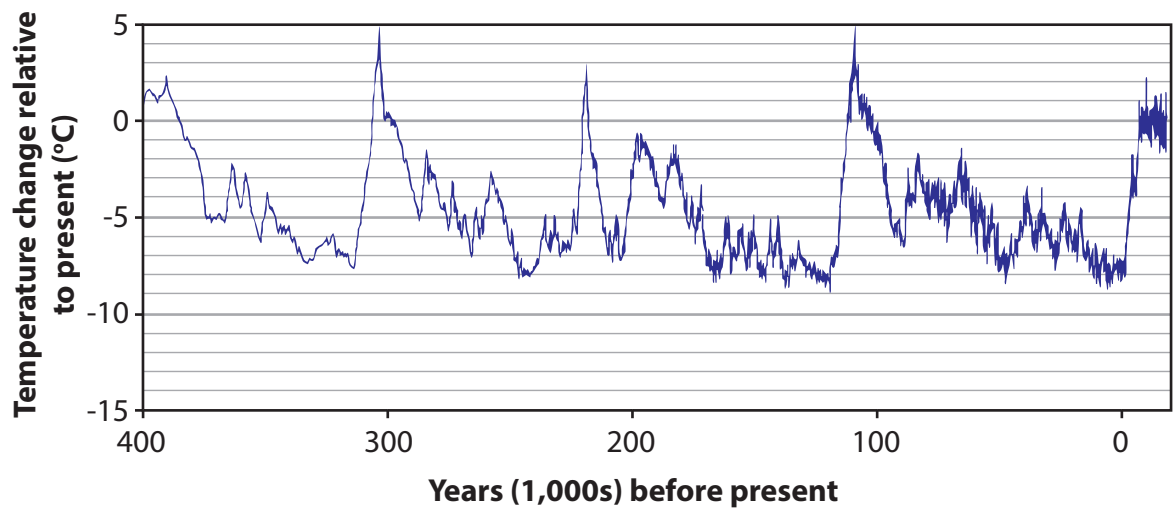


Figure 6a

A line-graph showing changes in the average global surface temperature

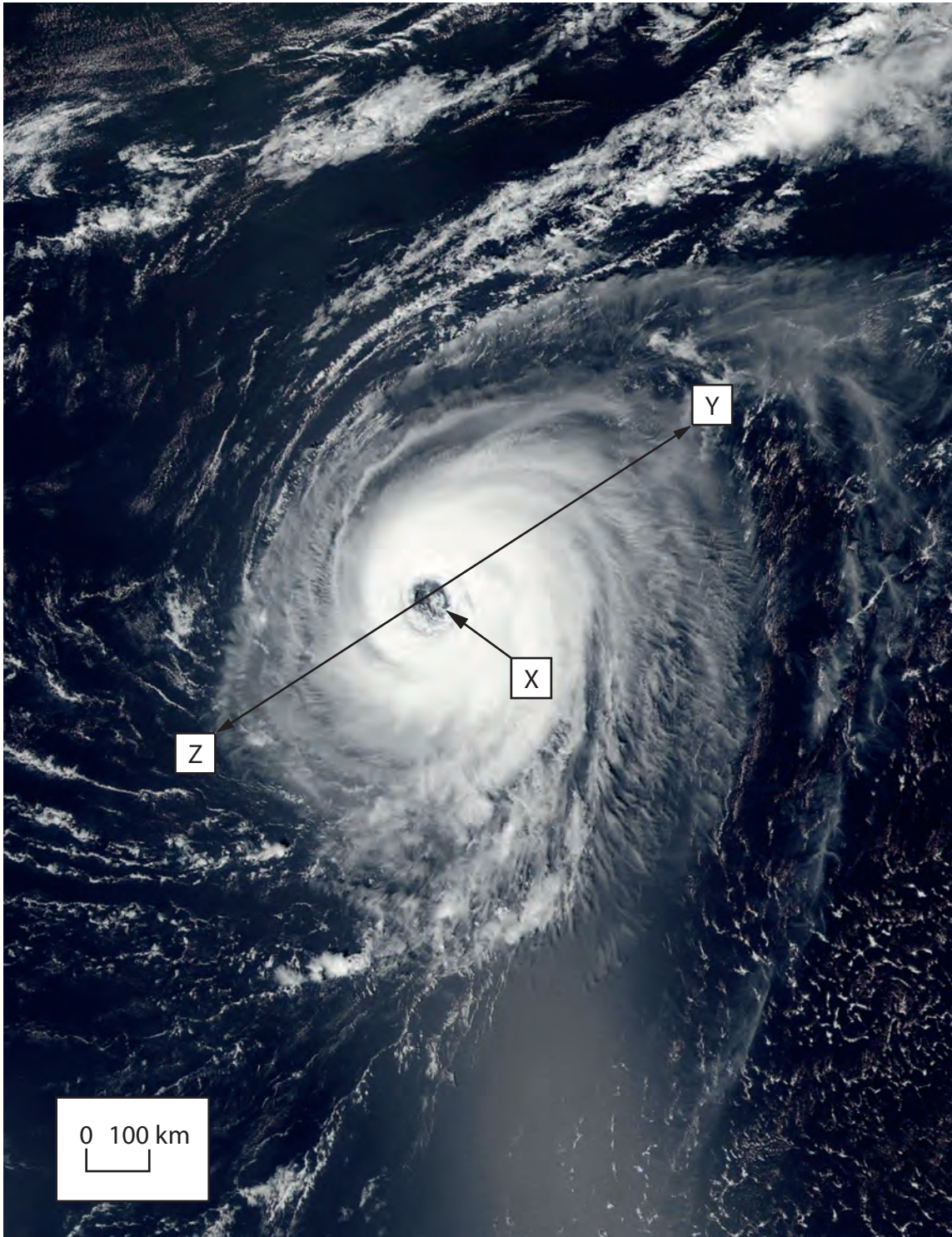


Figure 6b

A satellite image showing Typhoon Meranti, 14 September 2016





It led to 47 deaths in the USA.

The state of Florida planned to evacuate all residents within 100 miles of the coast.

The USA is a developed country with a GNI per capita of US\$ 57,540 (2017).

Figure 6c

Evacuation in Florida, USA before the landfall of Hurricane Matthew, October 2016



It led to 546 deaths in Haiti.

In Haiti there were only 576 hurricane shelters available with capacity of 90,000 people for a population of 11 million.

Haiti is a developing country with a GNI per capita of US\$ 1,760 (2017).

Figure 6d

Damage caused by Hurricane Matthew in Haiti, October 2016



SECTION C

Ecosystems, Biodiversity and Management

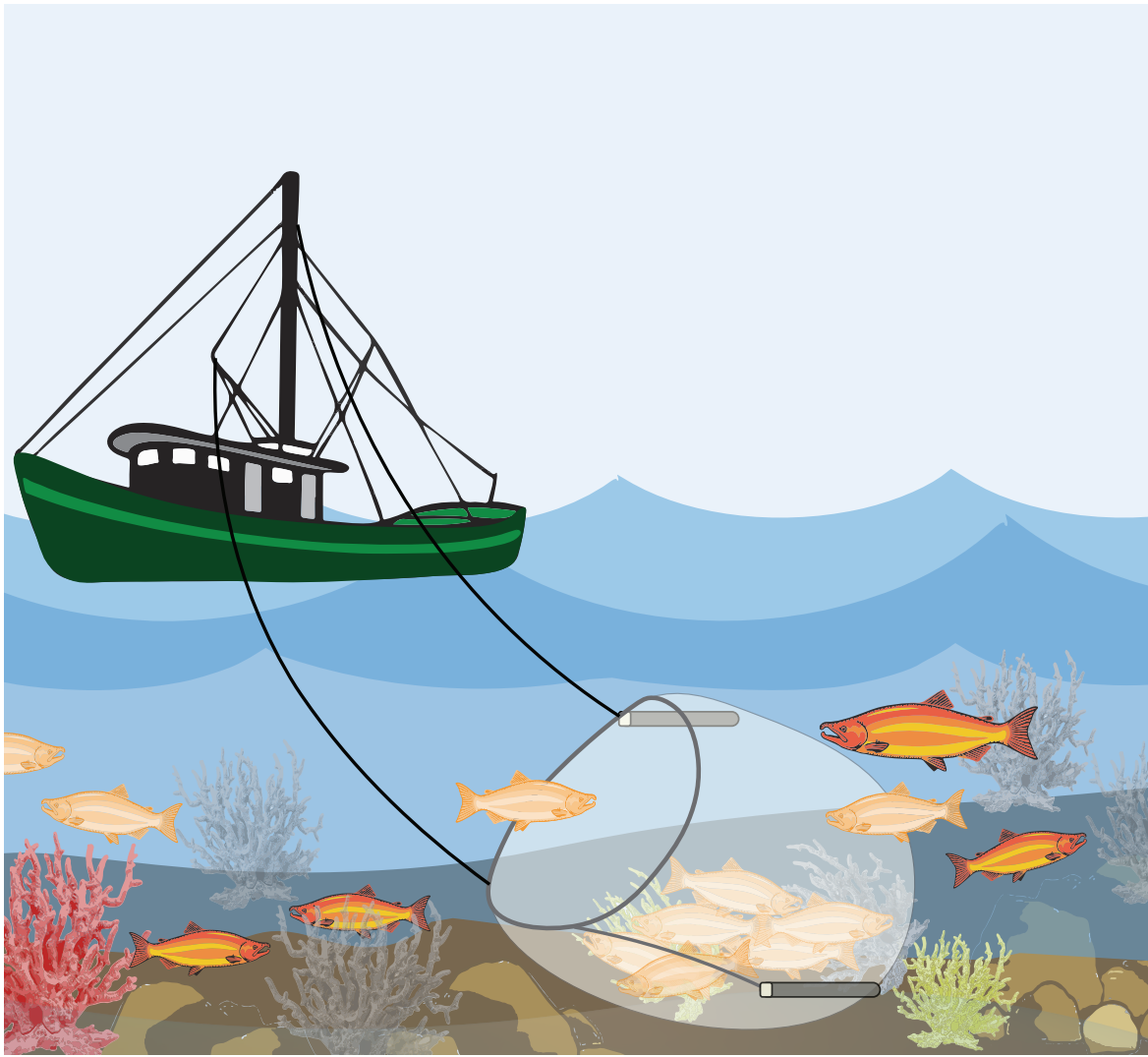


Figure 7b

An example of how human activity can affect marine ecosystems





Figure 7c

The effects of human activity in a tropical rainforest



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Figure 6b NOAA / NASA Goddard MODIS Rapid Response Team

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