



GCE A Level

A110U10-1

FRIDAY, 27 MAY 2022 – MORNING

GEOGRAPHY – A level component 1
Changing Landscapes and Changing Places

1 hour 45 minutes plus your additional time allowance

ADDITIONAL MATERIALS

In addition to this examination paper, you will need ONE WJEC pink 16-page answer booklet and a calculator.

INSTRUCTIONS TO CANDIDATES

Answer in Section A, EITHER questions 1, 2 and EITHER 3 OR 4 (Coastal Landscapes) OR questions 5, 6 and EITHER 7 OR 8 (Glaciated Landscapes).

Answer questions 9, 10 and, EITHER 11 OR 12 in Section B (Changing Places).

Use black ink, black ball-point pen or your usual method.

Write your answers in the separate answer booklet provided.

Write your name, centre number and candidate number in the spaces at the top of the answer booklet.

(Turn over)

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [] at the end of each question or part-question; you are advised to divide your time accordingly.

THIS PAPER REQUIRES THAT YOU MAKE AS FULL USE AS POSSIBLE OF APPROPRIATE EXAMPLES AND REFERENCE TO DATA TO SUPPORT YOUR ANSWERS. SKETCH MAPS AND DIAGRAMS SHOULD BE INCLUDED WHERE RELEVANT.

SECTION A: CHANGING LANDSCAPES

**Answer EITHER questions 1 AND 2 and EITHER 3 OR 4
OR questions 5 AND 6 and EITHER 7 OR 8
from your chosen landscape.**

**Make the fullest possible use of examples in support of
your answers.**

COASTAL LANDSCAPES

**Answer questions 1 AND 2 and EITHER 3 OR 4 if this is
your chosen landscape.**

(Turn over)

- 1 (a) Use FIGURE 1 opposite to describe changes in the coastal environment shown. [5 marks]**
- (b) Outline TWO economic impacts of coastal processes on human activity. [8 marks]**

- 2 (a) (i) Use FIGURE 2 opposite to analyse variations in grain size along the transect. [5 marks]**
- (ii) Suggest how marine and aeolian processes may have influenced the variations in grain size shown in FIGURE 2. [8 marks]**

EITHER,

- 3 Examine the relative importance of marine erosional processes to the characteristics and formation of ONE OR MORE landforms of coastal erosion. [15 marks]**

OR,

- 4 Assess the success of ONE strategy used to manage the interaction between human activity and coastal processes and/or landscapes. [15 marks]**

(Turn over)

GLACIATED LANDSCAPES

Answer questions 5 AND 6 and EITHER 7 OR 8 if this is your chosen landscape.

- 5 (a) Use FIGURE 3 opposite to describe changes in the glacial environment shown. [5 marks]**
- (b) Outline the impact of TWO glacial processes on human activity. [8 marks]**

(Turn over)

- 6 (a) (i) Use FIGURE 4 opposite to analyse variations in grain size along the transect. [5 marks]**
- (ii) Suggest how glacial and fluvioglacial processes may have influenced the variations in grain size shown in FIGURE 4. [8 marks]**

EITHER,

- 7 Examine the relative importance of glacial weathering to the characteristics and formation of ONE OR MORE landforms of glacial erosion. [15 marks]**

OR,

- 8 Assess the success of ONE strategy used to manage the interaction between human activity and glacial processes and/or landscapes. [15 marks]**

(Turn over)

SECTION B: CHANGING PLACES

Answer questions 9 AND 10 and EITHER 11 OR 12.

Make the fullest possible use of examples in support of your answers.

- 9 (a) Use FIGURE 5 opposite to describe the distribution of population aged over 65 in Norfolk. [5 marks]**
- (b) Suggest why the age characteristics of a population vary from place to place. [8 marks]**

(Turn over)

- 10 (a) Use FIGURE 6 opposite to analyse variations in employment structure. [5 marks]**
- (b) Outline TWO different ways in which urban places can be re-imaged. [8 marks]**

EITHER,

- 11 Assess the impacts of quaternary industry clusters on people and places. [15 marks]**

OR,

- 12 Assess the importance of recreation in the rebranding of rural places. [15 marks]**

END OF PAPER

FIGURE 1: Changes to the coastal environment at Cape Cod, Massachusetts, USA, 1984 - 2019

FIGURE 1a: 1984

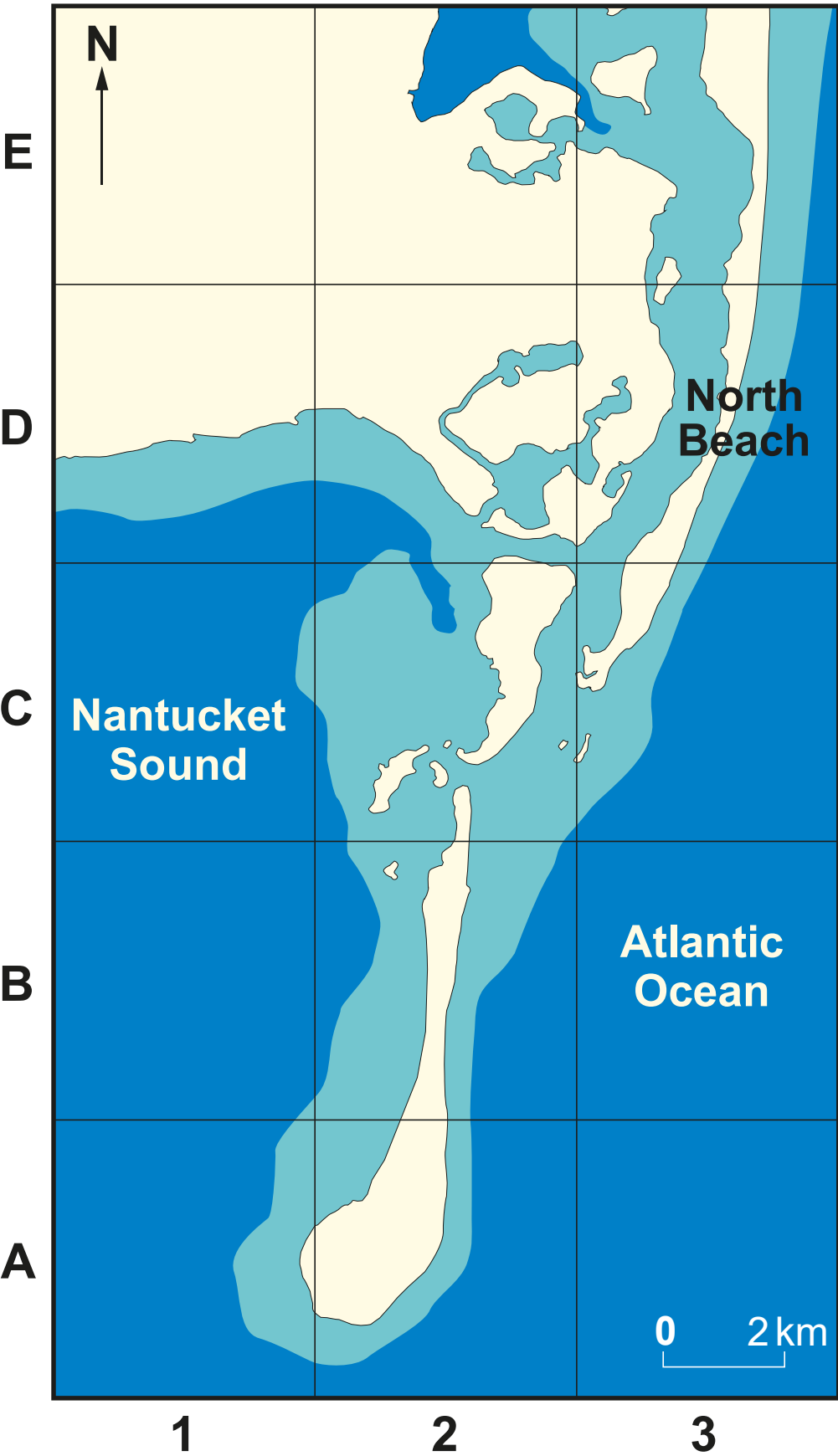
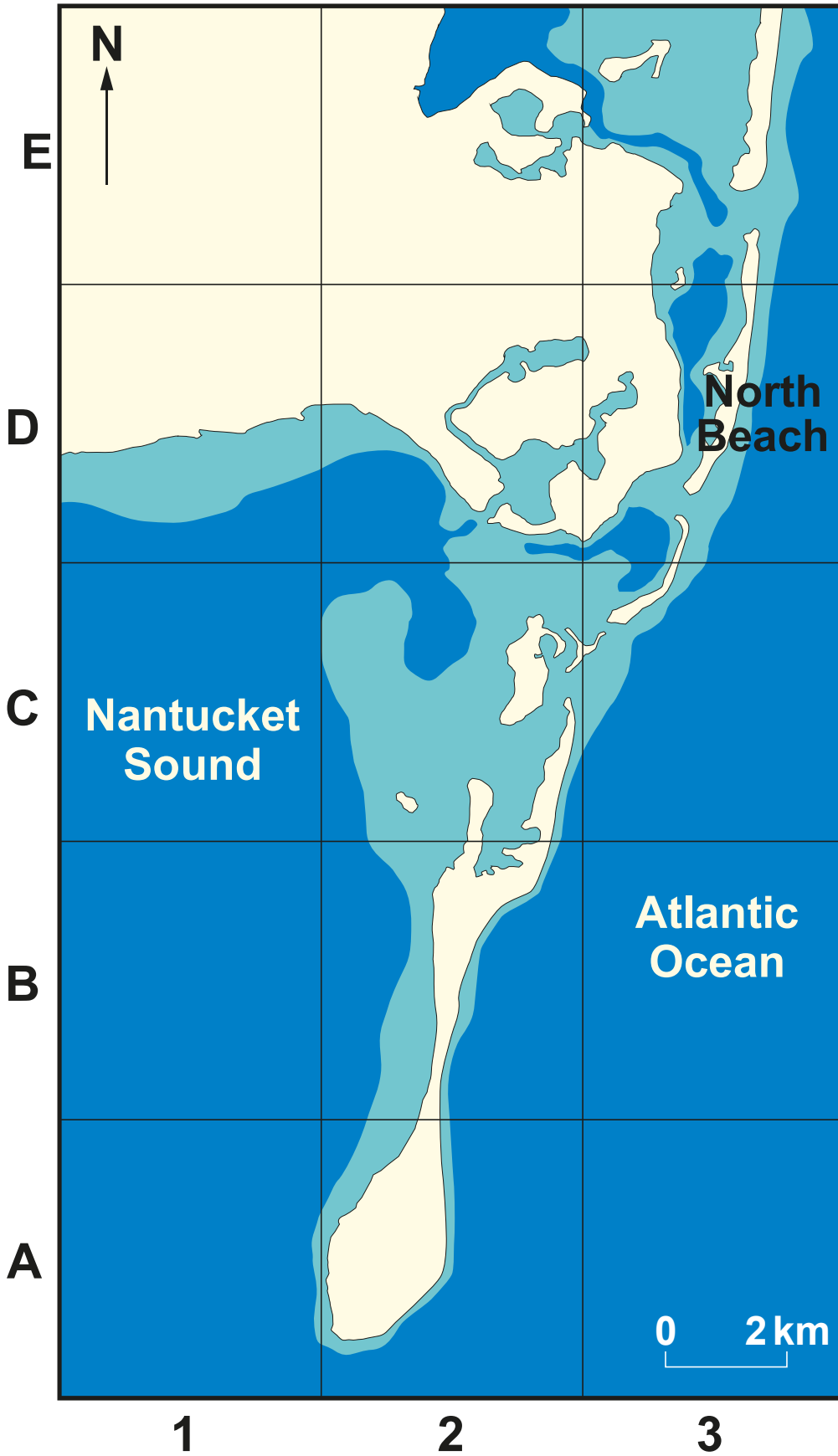


FIGURE 1b: 2019



Key:

shallow water

deep water

land

FIGURE 2: Grain size distributions on a transect across a beach and coastal dune sequence in Great Exhibition Bay, New Zealand

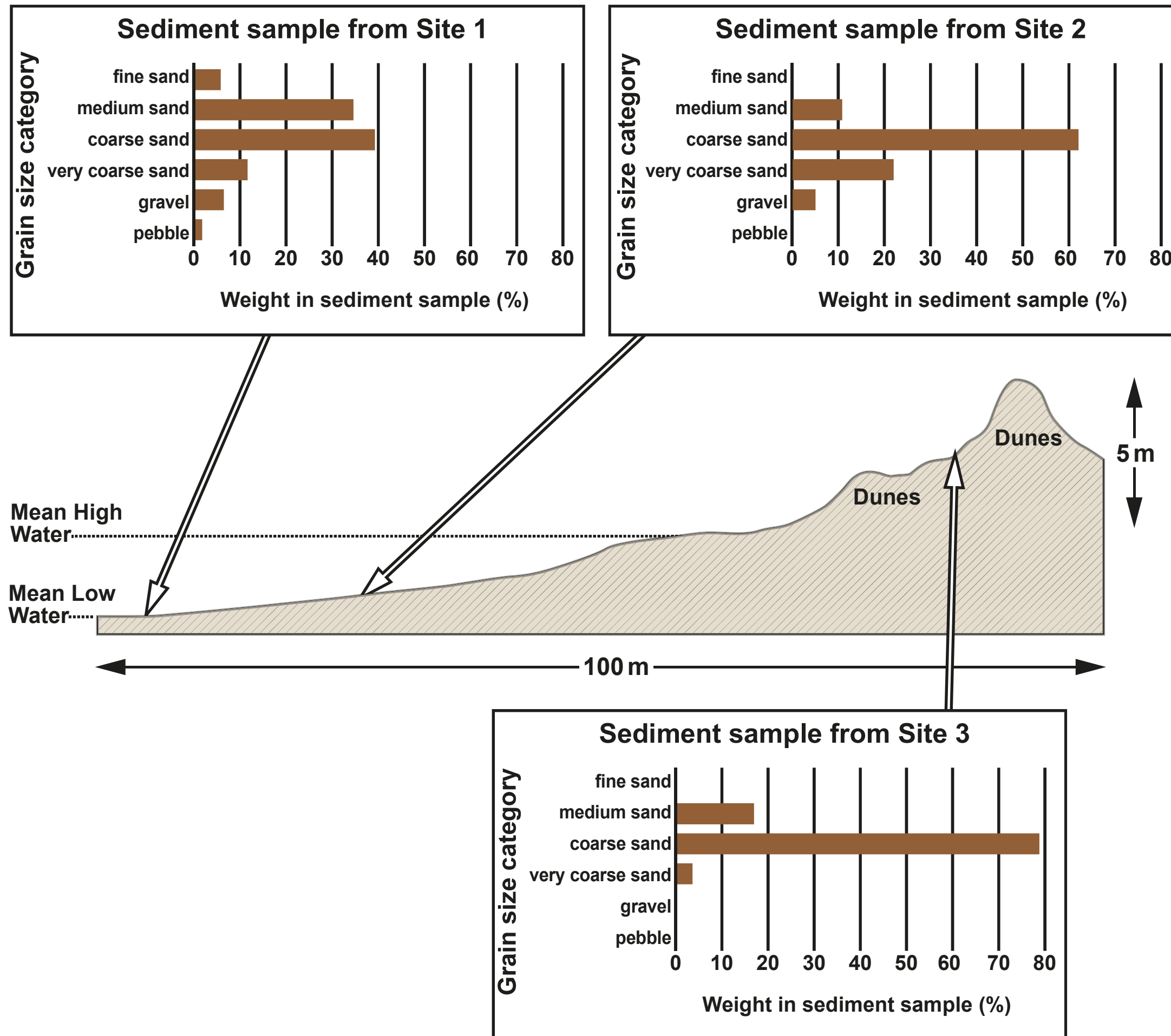


FIGURE 3: Changes to the glacial environment, Glacier Steffen, Chile, 1999 - 2011

Figure 3a: 1999

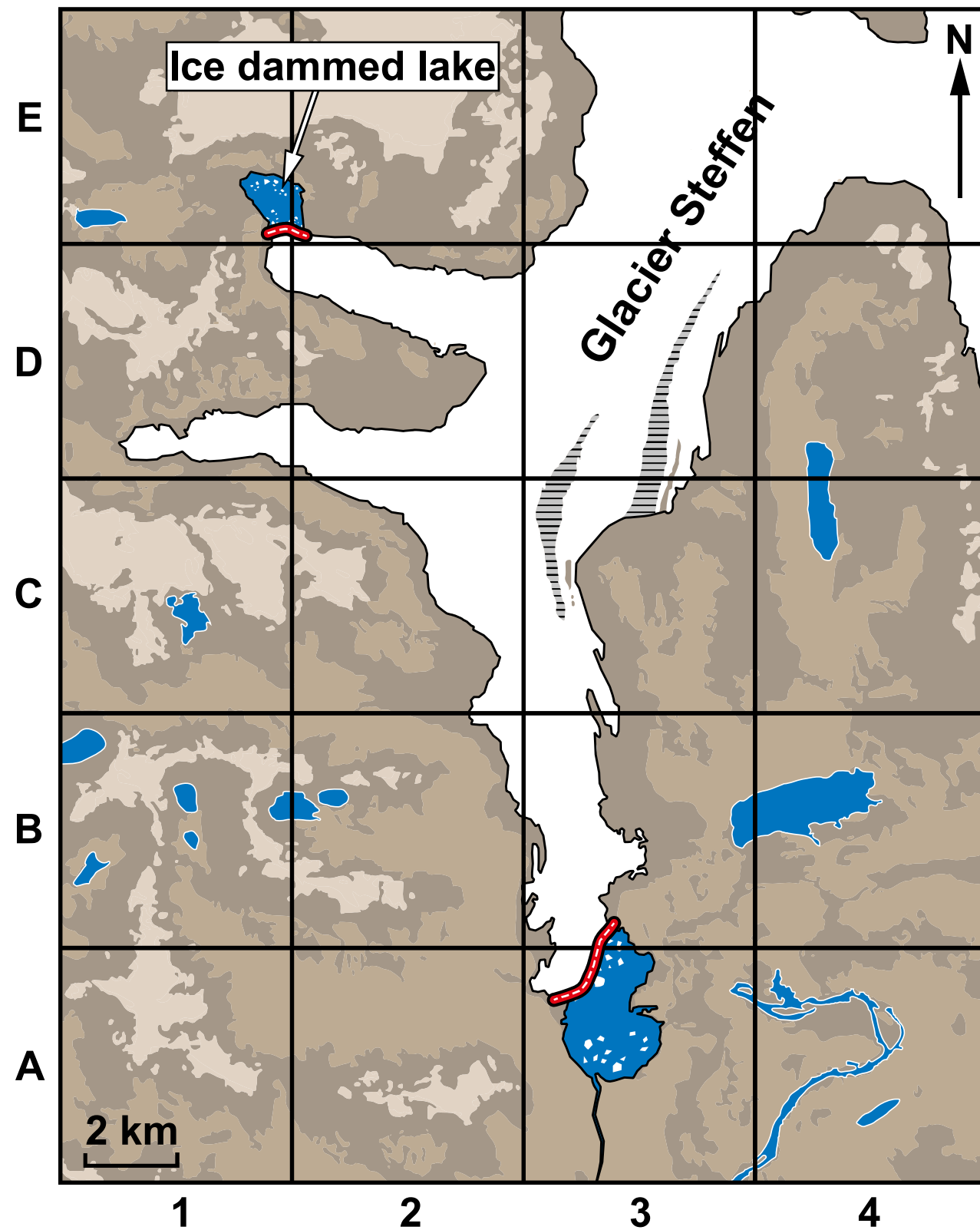
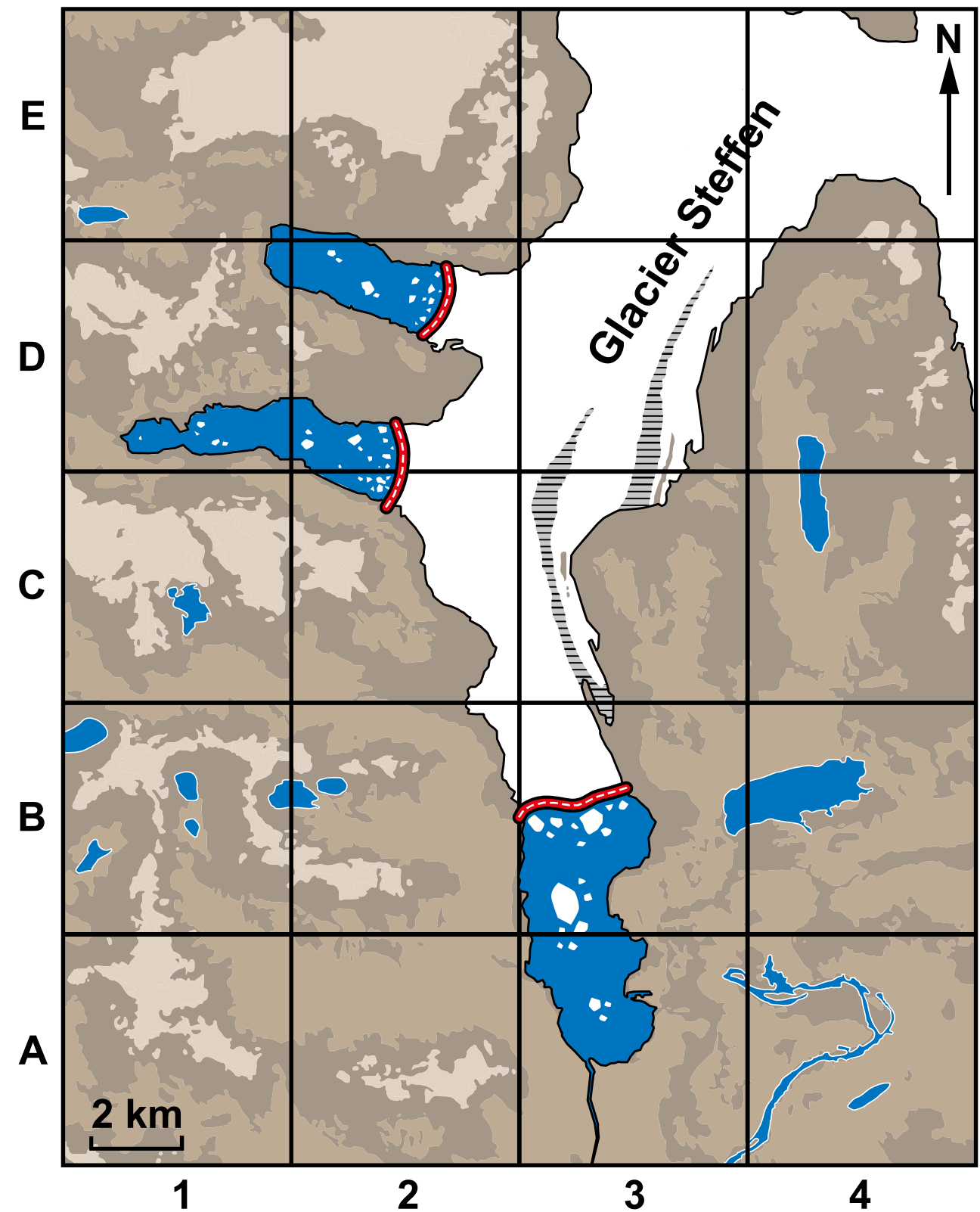


Figure 3b: 2011



Key:  glacial ice  terminus  supraglacial moraine

FIGURE 4: Grain size distributions on a transect across a terminal moraine and sandur (outwash plain), Longyearbyen, Svalbard, Norway.

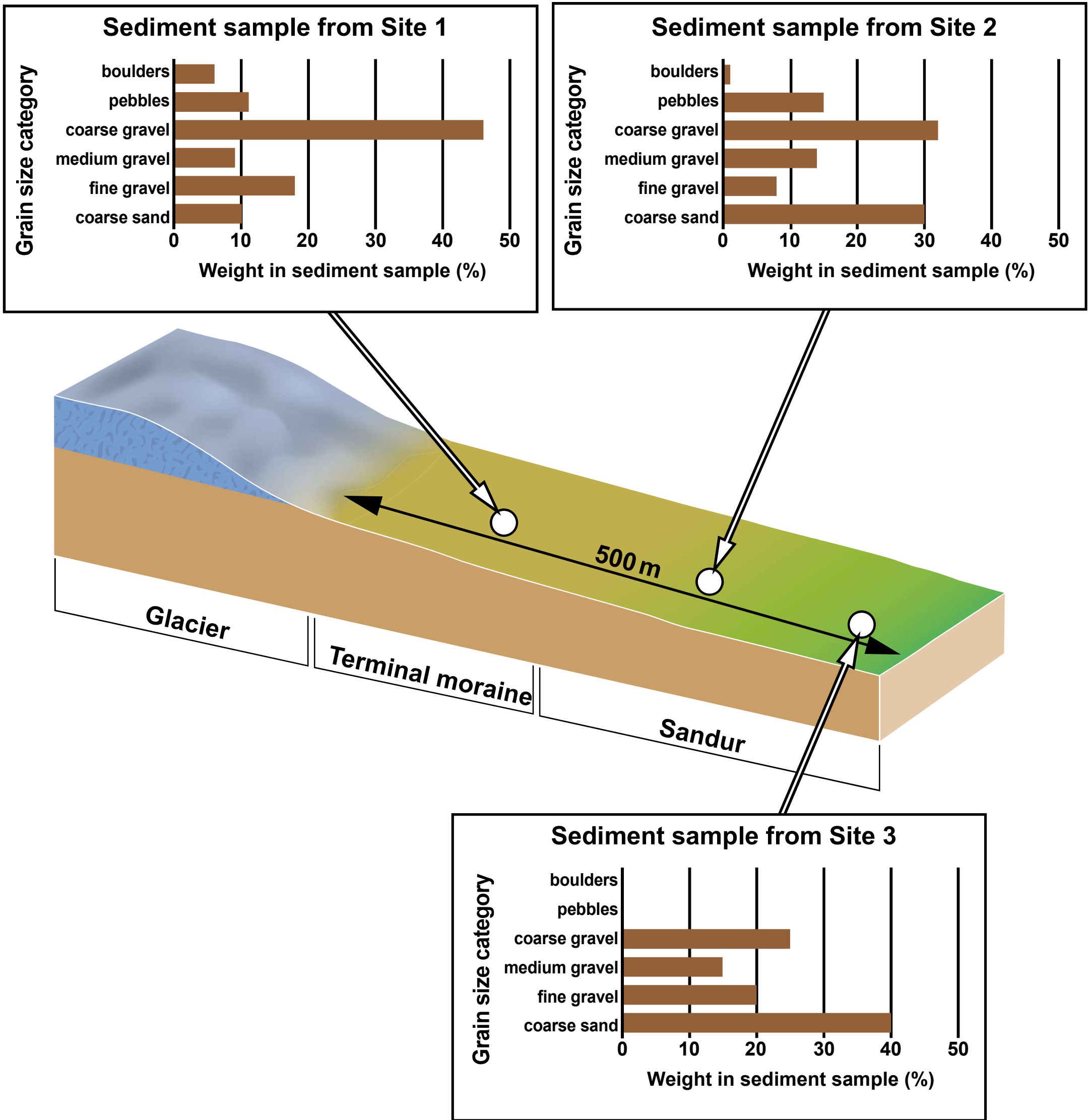


FIGURE 5: Distribution of population aged over 65 in Norfolk, 2018

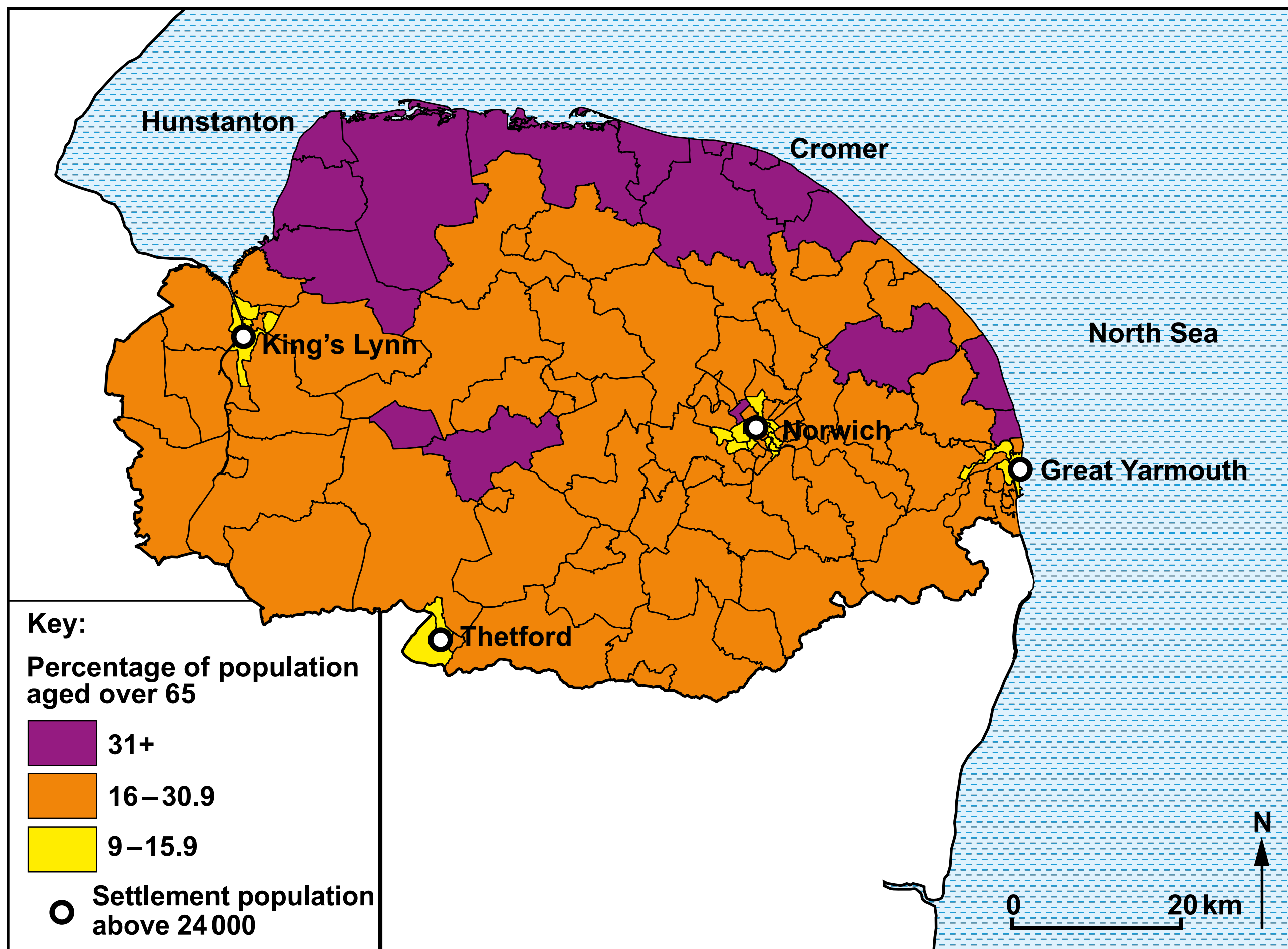


FIGURE 6: EMPLOYMENT BY SECTOR, 2019

SECTOR	OLDER INDUSTRIAL TOWNS E.G. BOLTON, BARNSELY (%)	LONDON (%)	GB (ENGLAND, WALES AND SCOTLAND) (%)
Manufacturing, energy and water	15	4	11
Construction	7	7	7
Retail, distribution, hospitality	20	14	18
Transport and communications	8	13	9
Banking, finance and business	13	29	18
Education, health and public administration	32	26	31
Other services, e.g. creative	5	7	6