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General Certificate of Secondary Education  
June 2005

**GEOGRAPHY (SPECIFICATION B)**  
**Paper 1**  
**Higher Tier**

**3032/1H**



**H**

Monday 6 June 2005 9.00 am to 10.15 am

**In addition to this paper you will require:**

- the Ordnance Survey map extract (enclosed);
- the insert (enclosed).

You may use a calculator.

For Examiner's Use			
Number	Mark	Number	Mark
1			
2			
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7			
Total (Column 1)	→		
Total (Column 2)	→		
TOTAL			
Examiner's Initials			

Time allowed: 1 hour 15 minutes

**Instructions**

- Use blue or black ink or ball-point pen for written answers. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer **all** questions in the spaces provided.
- Do all rough work in this booklet. Cross through any work you do not want marked.

**Information**

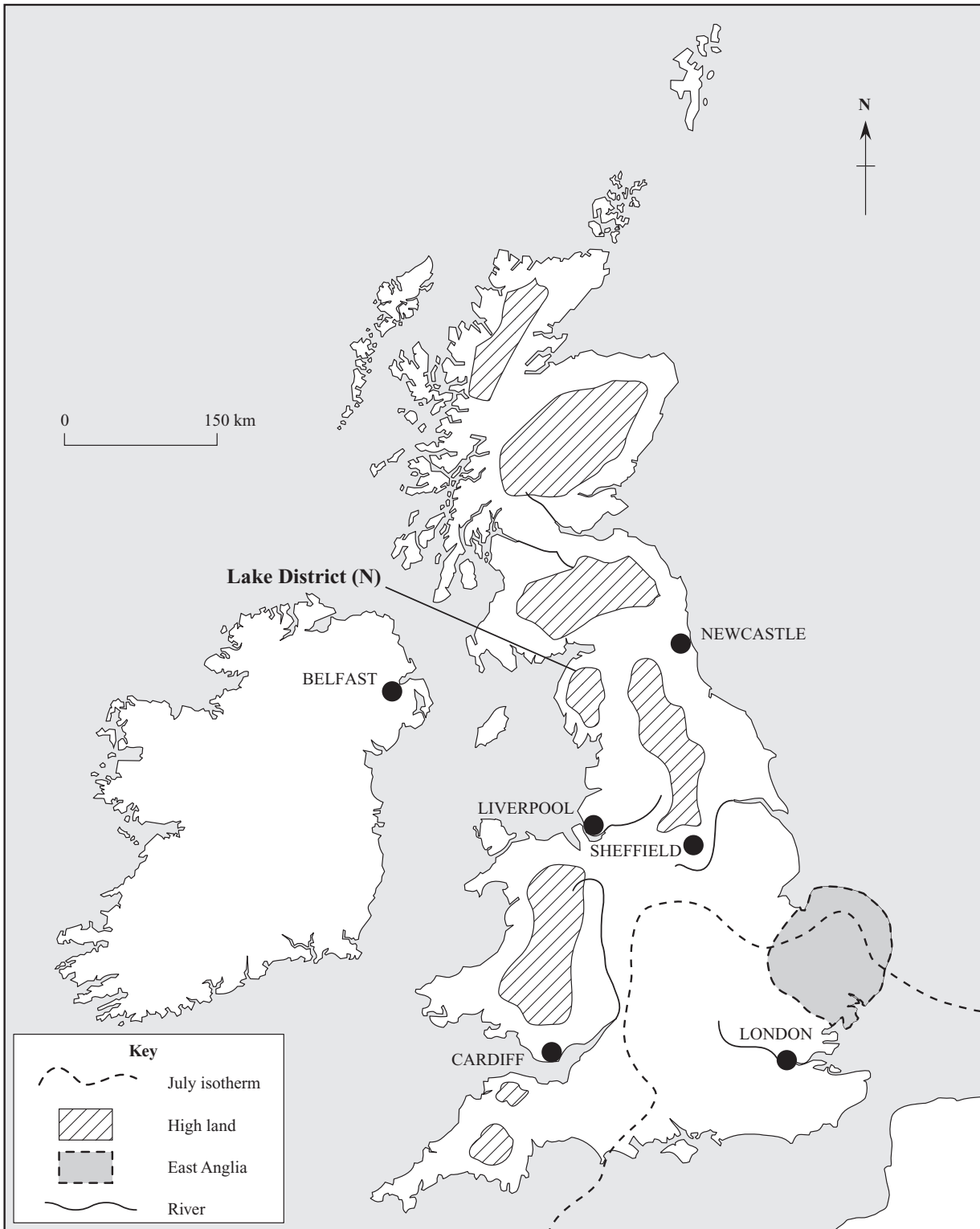
- The maximum mark for this paper is 75.
- Mark allocations are shown in brackets.
- You will be assessed on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently, and to use specialist vocabulary, where appropriate.

Answer **all** questions.

1

**Total for this question: 7 marks**

Study **Figure 1**, a map of the British Isles.



**Figure 1**

- (a) What is the value in °C of the July isotherm that crosses East Anglia?

.....  
(1 mark)

- (b) On the map, **Figure 1**, locate a named example of each of the following.

Write the letter shown after the name of your example. The first one has been done for you.

A national park (N)

A chemical industry on a river estuary (C)

An upland reservoir (R)

A coal-fired power station (P)

(6 marks)



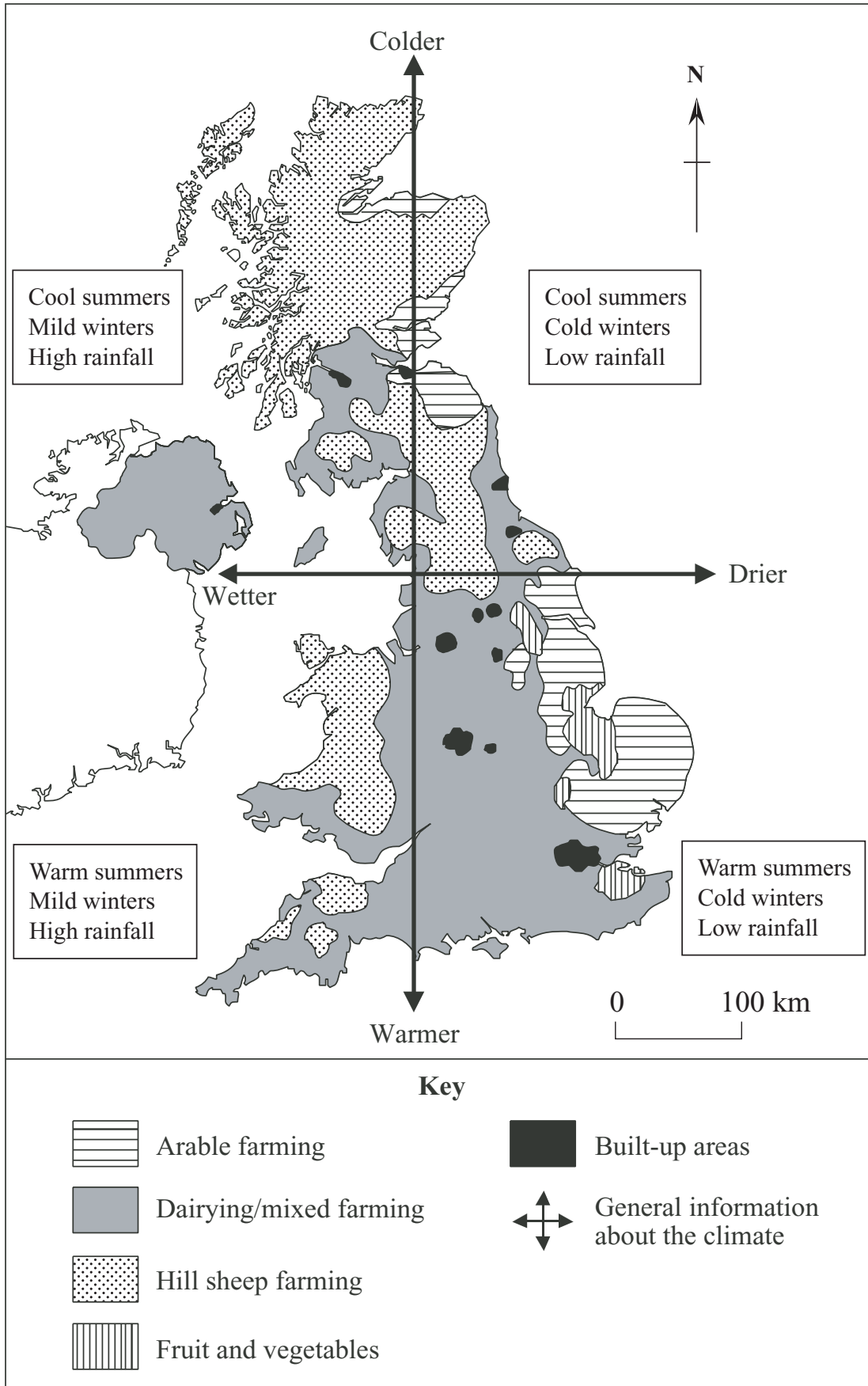
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**Turn over ►**

2

Total for this question: 7 marks

Study **Figure 2**, “Farming types and climate in the UK”.



**Figure 2**

(a) Using **Figure 2 only**, describe how climate affects the distribution of farming types.

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*(3 marks)*

(b) Using an example of a hill sheep farm in the Lake District that you have studied, describe how hill sheep farmers have diversified their activities.

Name of hill sheep farm.....  
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*(4 marks)*



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3

Total for this question: 7 marks

Study **Figure 3**, a tourist map showing the area around Bowness-on-Windermere in the Lake District.

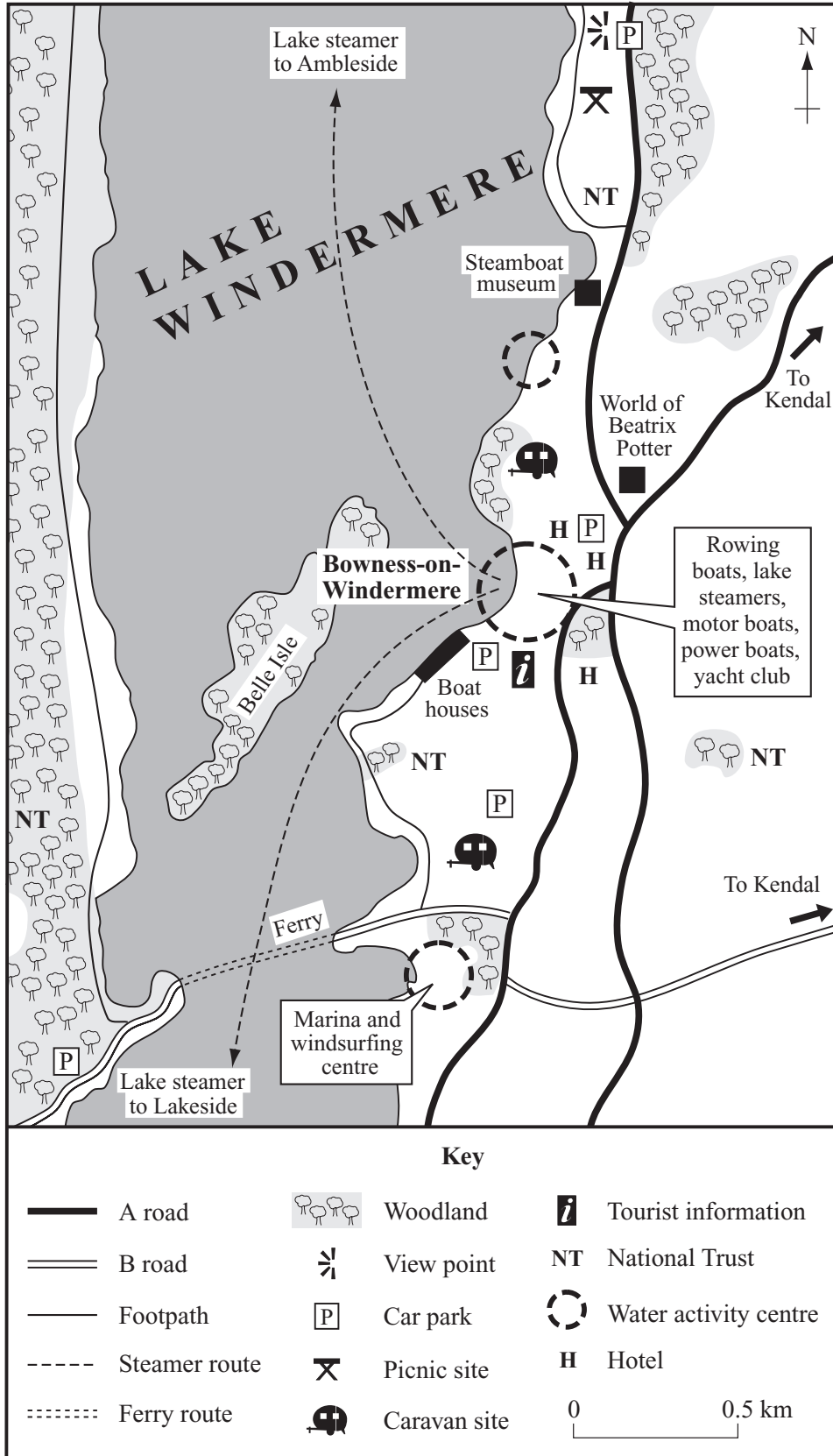


Figure 3

- (a) Give **one** piece of evidence from the map that suggests that Bowness-on-Windermere is a honeypot.

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 .....

(1 mark)

- (b) (i) Using Bowness-on-Windermere, or another example of a honeypot that you have studied, describe how the environment has been damaged.

Name of honeypot .....

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(4 marks)

- (ii) Describe how **one** type of damage could be reduced.

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(2 marks)

7

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4

**Total for this question: 7 marks**

Study **Figure 4**, a map showing part of an inner city area. The engineering works have recently closed down and the council wants to improve the whole area.

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Please refer to the printed version.



**Figure 5** is a table showing figures from the 2001 census of the same inner city area.

<p><b>The people</b> Total population 10 250</p> <p><b>Density of population</b> 6800 per square kilometre</p>	<p><b>Their work</b> <b>Total unemployed</b> Male 15% Female 12%</p>
<p><b>Their cars</b> of the 3800 households 1300 had no car 1500 had one car 1000 had two or more cars</p> <p><b>Of the 3654 cars</b> 5% were garaged on the premises 16% were garaged elsewhere 75% were parked on the road 4% were parked elsewhere</p>	<p><b>Their homes</b> Inside WC (own use) 80% (shared) 16% (none) 4%</p> <p>Bath/shower (own use) 72% (shared) 22% (none) 6%</p> <p>Overcrowded 10%</p>

**Figure 5**

(a) An example of an improvement to the area has been labelled on the map (**Figure 4**).

With the help of **Figure 5** label the map (**Figure 4**) with **three** further improvements that could be made to the area.

(3 marks)

(b) Choose **one** of the suggested improvements.

Explain how it would benefit the local people.

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(4 marks)

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5

Total for this question: 7 marks

Study Figure 6, which shows pressures on the River Torridge, a river basin in Devon.

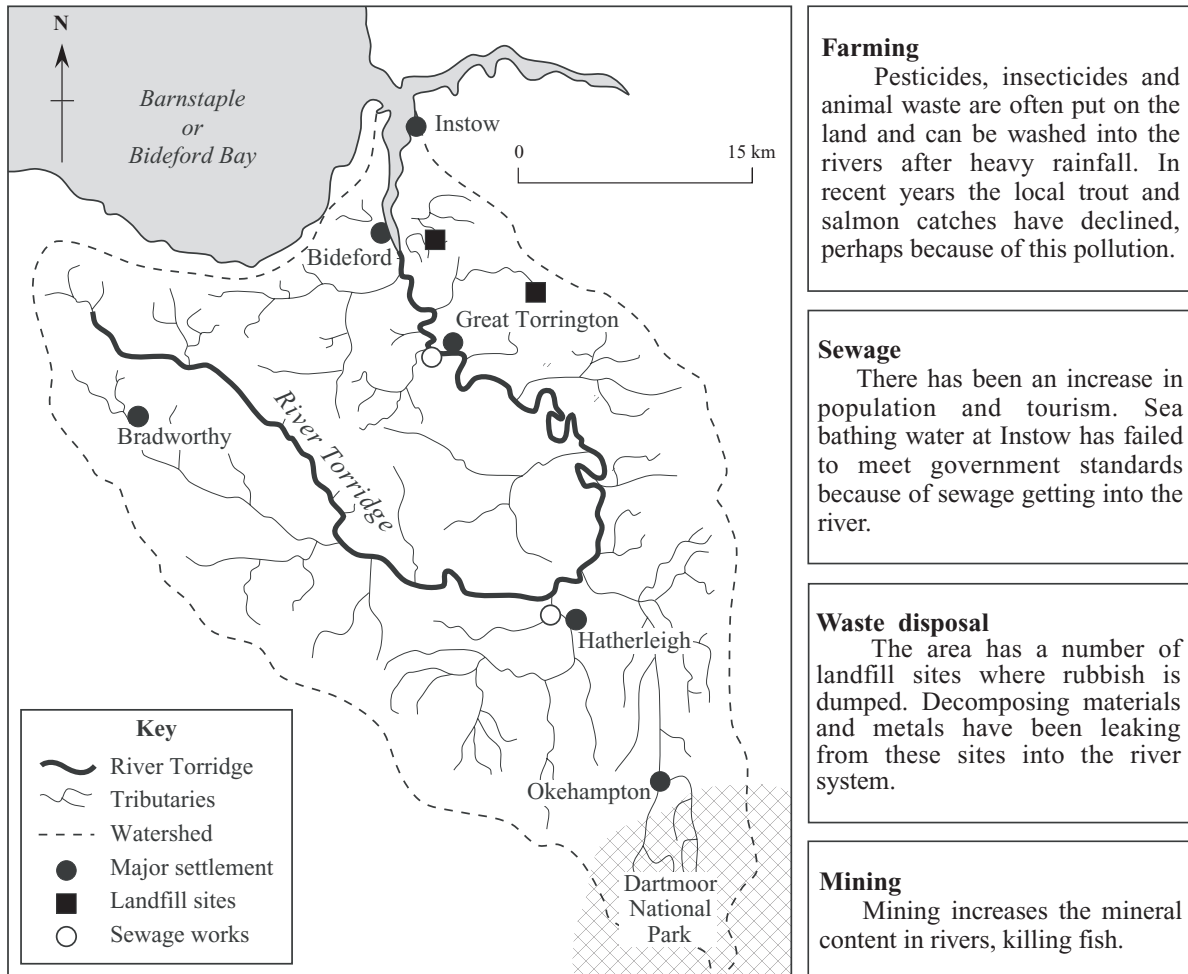


Figure 6

(a) With the help of **Figure 6**, explain **one** way in which human activities can cause pollution in river basins.

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*(4 marks)*

(b) How can river basins be managed to ensure good water quality?

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*(3 marks)*



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6

**Total for this question: 20 marks**

Study **Figure 7**, on the insert, which shows a nuclear power station and a wind farm in Anglesey, North Wales.

- (a) (i) Using evidence from the photograph, suggest **two** reasons why the location was considered suitable for building a wind farm.

1 .....

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2 .....

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*(4 marks)*

- (ii) The nuclear power station in the background will eventually have to be shut down. What are the problems associated with nuclear power stations after they have stopped producing electricity?

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*(2 marks)*

(b) (i) Name **one** coal-fired power station that you have studied.

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(1 mark)

(ii) **Draw and label** a sketch map to show the location of your chosen coal-fired power station.



(4 marks)

(iii) Explain why this location was chosen to build a coal-fired power station.

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(3 marks)

Turn over ►

(c) Imagine that you are the Minister of Energy in the Government.

Suggest how the UK should generate its electricity in the future.

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(6 marks)

20

7

**Total for this question: 20 marks**

Study **Figure 8**, the Ordnance Survey map extract showing the rural-urban fringe on the northern edge of the city of Bristol.

(a) (i) What does the number 6 mean at grid reference 589848?

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*(1 mark)*

(ii) Using **Figure 8**, name **two** features which appear to have limited the growth of Bristol westwards and north-westwards.

1 .....

2 .....

*(2 marks)*

**QUESTION 7 CONTINUES ON THE NEXT PAGE**

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Figure 9 is a partly-completed sketch of the map extract, Figure 8.

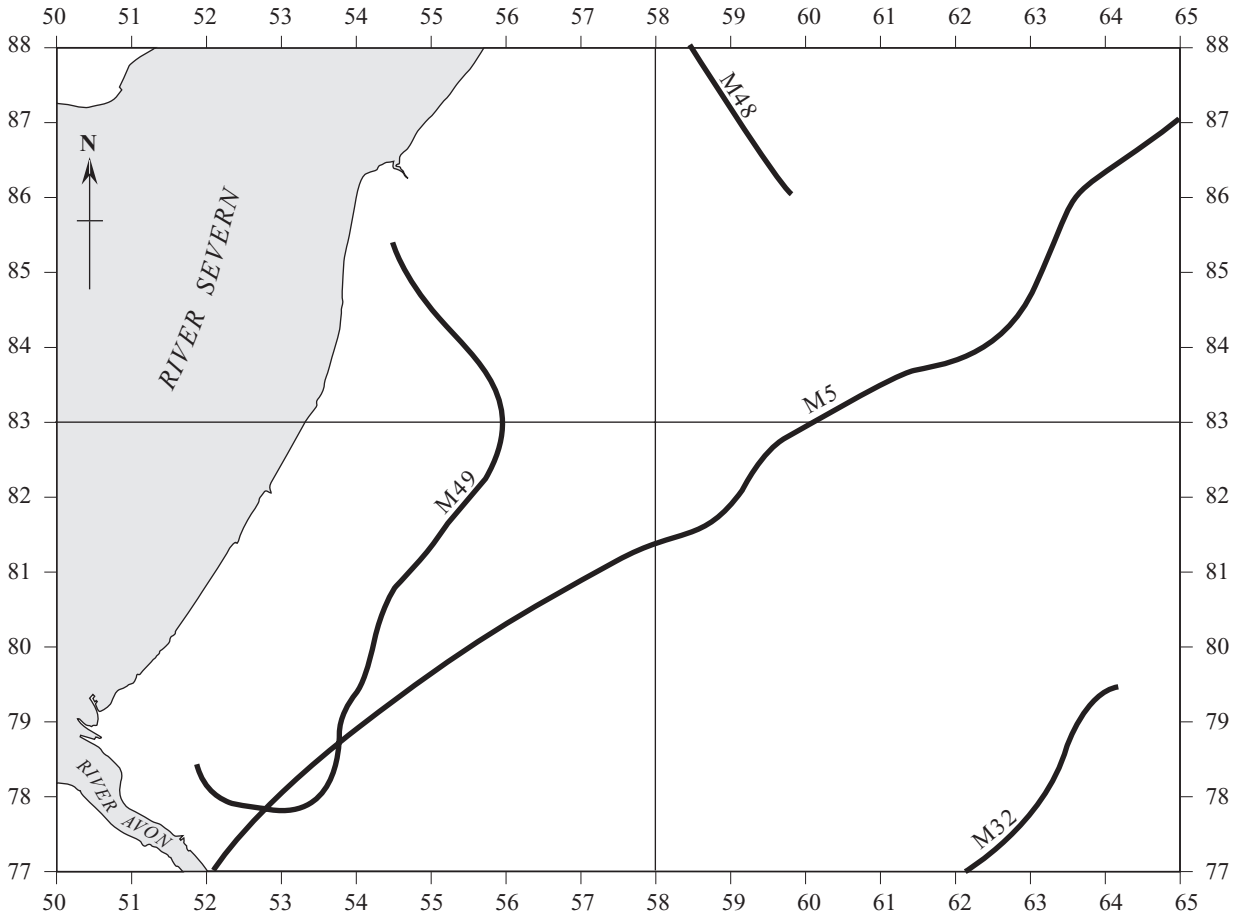


Figure 9

(iii) Using Figure 8, draw the route of the M4 on Figure 9.

(2 marks)

(b) Cribbs Causeway, in grid squares 5880 and 5881, is an out-of-town retail park.

(i) Apart from good transport links, give **two** other location factors important for an out-of-town retail park.

- 1 .....
- .....
- 2 .....
- .....

(2 marks)



(ii) How might the opening of an out-of-town retail park, such as Cribbs Causeway, affect shops in the city centre?

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(2 marks)

(c) What is the meaning of the term “suburbanisation”?

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(1 mark)

(d) Using **only** the Ordnance Survey map extract, **Figure 8**, describe the developments that have taken place in the rural-urban fringe of Bristol east of grid line 55 and north of grid line 80.

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(4 marks)

**QUESTION 7 CONTINUES ON THE NEXT PAGE**

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- (e) A factory has become vacant in the M4 corridor on the Aztec West industrial estate (grid square 6082 in **Figure 8**).

Using evidence from the Ordnance Survey map extract, **Figure 8**, and your own knowledge, explain the advantages to modern footloose industries of locating in the M4 corridor.

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(6 marks)



**END OF QUESTIONS**

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Figure 3 David Waugh, *Key Geography for GCSE*, Nelson Thornes, 1994

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Figure 7 Mark Edwards/Still Pictures

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