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Centre Number		Candidate Number	
Candidate Signature			

For Examiner's Use

General Certificate of Education
January 2007
Advanced Subsidiary Examination



GEOGRAPHY (SPECIFICATION A)
Unit 3 Geographical Skills

GGA3

Monday 15 January 2007 9.00 am to 10.00 am

<p>For this paper you must have:</p> <ul style="list-style-type: none"> the resource booklet (enclosed). <p>You may use a calculator.</p>

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

Time allowed: 1 hour

Instructions

- Use blue or black ink or ball-point pen. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer **one** question, **either** Question 1 in Section A, **or** Question 2 in Section B.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The maximum mark for this paper is 50.
- The marks for questions are shown in brackets.
- You are expected to use a calculator where appropriate.
- You will be marked 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. The legibility of your handwriting and the accuracy of your spelling, punctuation and grammar will also be considered.

Advice

- Where appropriate, credit will be given for the use of diagrams and where reference is made to your personal investigative work.

Answer **one** question, **either** Question 1 in Section A, **or** Question 2 in Section B.

SECTION A

Answer **all** parts of this question in the spaces provided.

The Physical Environment

Title: Succession

- 1 (a) (i) **Figure 1** (*resource booklet*) shows the first stage of succession in a sand dune environment near Mablethorpe, Lincolnshire.

Figure 2 is a black and white photocopy of **Figure 1**.

Label **Figure 2** to show the characteristics of the landscape and the vegetation.

Figure 2



(6 marks)

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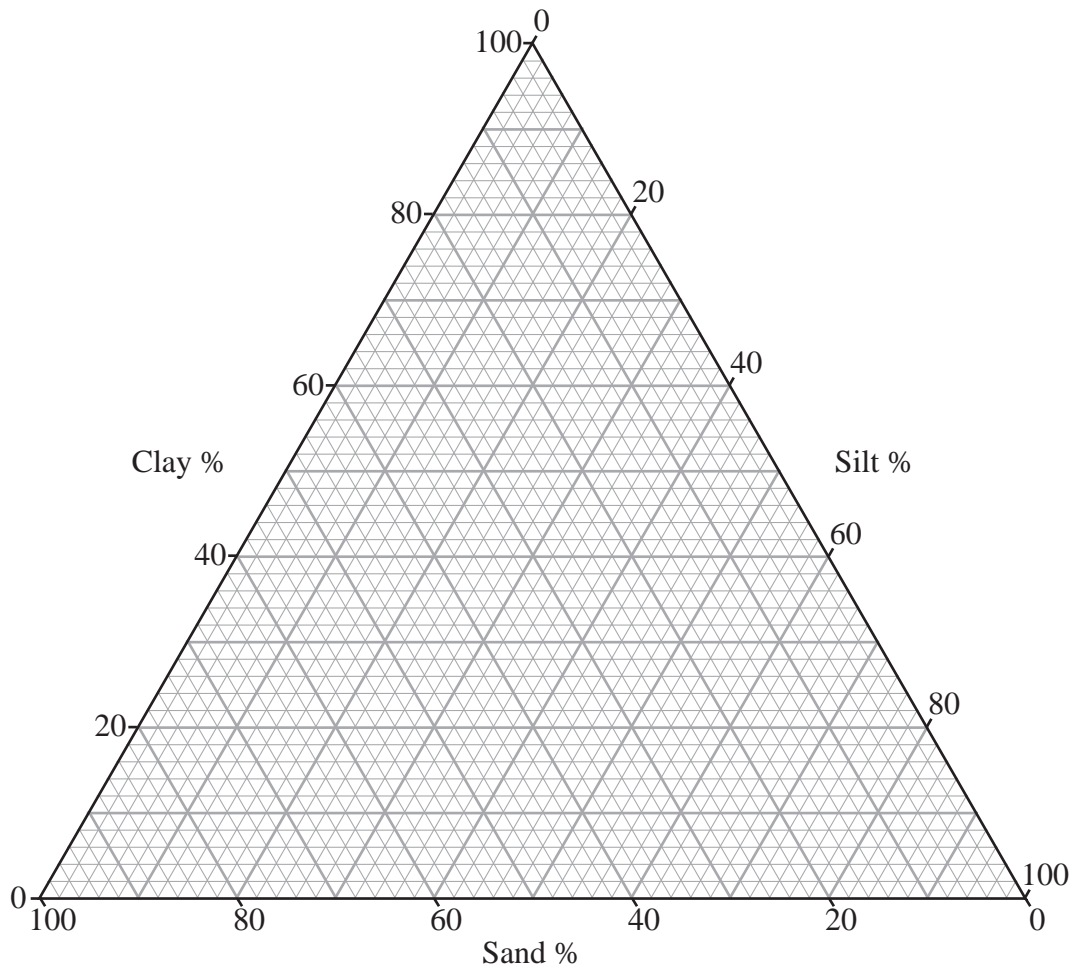
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(9 marks)

- (c) (i) Soils will change in this sand dune environment through the succession. Nearer the high water mark, the soil will be immature, whilst at the end stage of succession, a brown earth will be found.

On **Figure 6**, mark the position of the soil nearest the high water mark with **X** and the brown earth with **Y**.

Figure 6

(4 marks)

Question 1 continues on the next page

Turn over ►

- (ii) **Figure 7** (*resource booklet*) is a description of a soil on sand dunes near the high water mark at Ynyslas, mid-Wales.

Complete **Figure 8** by drawing a labelled profile of the soil described in **Figure 7**.

Figure 8



(5 marks)

- (iii) **Figure 9** (*resource booklet*) shows the characteristics of a brown earth at the end of succession.

Summarise the contrasting characteristics between this soil and the soil shown in **Figure 7** and drawn in **Figure 8**.

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(6 marks)

(d) You have experienced geography fieldwork as part of the course.

(i) For **any** geography fieldwork study that you have undertaken (either physical or human), briefly outline the aim of the study.

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(2 marks)

(ii) For **one** item of primary data you collected for the study in (d)(i), briefly outline the sampling strategy used and the method of data collection.

Item of primary data collected

Sampling strategy

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Method of data collection

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(6 marks)

End of Section A

Turn over ►

Do **not** answer this section if you have answered Question 1 in Section A.

SECTION B

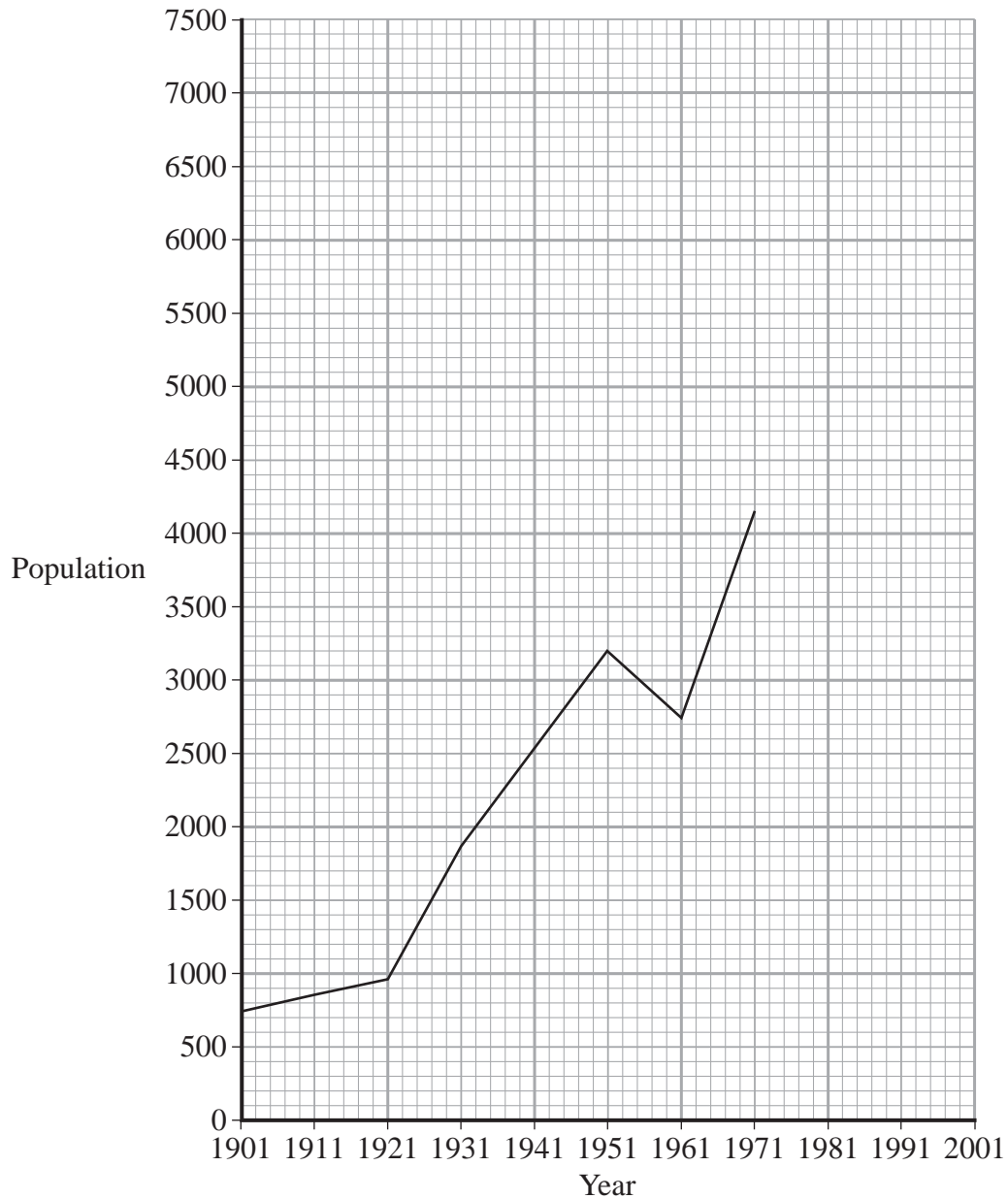
Answer **all** parts of this question in the spaces provided.

The Human Environment

Title: Counter urbanisation – the suburbanised village

- 2 (a) **Figure 10** partly shows the population of the village of Waltham, North-East Lincolnshire, from 1901 to 2001.

Figure 10



(i) Complete **Figure 10** by adding the information below.

Year	Population
1981	4556
1991	6163
2001	7036

(3 marks)

(ii) Label **Figure 10** to summarise the changes in Waltham’s population.

(3 marks)

(b) (i) Study **Figure 11** (*resource booklet*), a photographically reduced 1:50 000 Ordnance Survey map extract which shows the location of Waltham.

State which settlement process – urbanisation, suburbanisation, counter urbanisation or re-urbanisation – is occurring in Waltham and justify your choice.

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(3 marks)

(ii) With specific reference to **Figure 11**, suggest reasons for the growth of the population of Waltham.

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Question 2 continues on the next page

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(12 marks)

(d) **Figure 13** (*resource booklet*) shows a housing development in the village of Waltham.

Figure 14 is a black and white photocopy of **Figure 13**.

Label **Figure 14** to describe the characteristics of the housing development shown.

Figure 14



(6 marks)

Question 2 continues on the next page

Turn over ►

(f) You have experienced geography fieldwork as part of the course.

(i) For **any** geography fieldwork study that you have undertaken (either physical or human), briefly outline the aim of the study.

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(2 marks)

(ii) For **one** item of primary data you collected for the study in (f)(i), briefly outline the sampling strategy used and the method of data collection.

Item of primary data collected

Sampling strategy

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Method of data collection

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(6 marks)

END OF QUESTIONS

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Resource Booklet

Figure 1



Figure 3

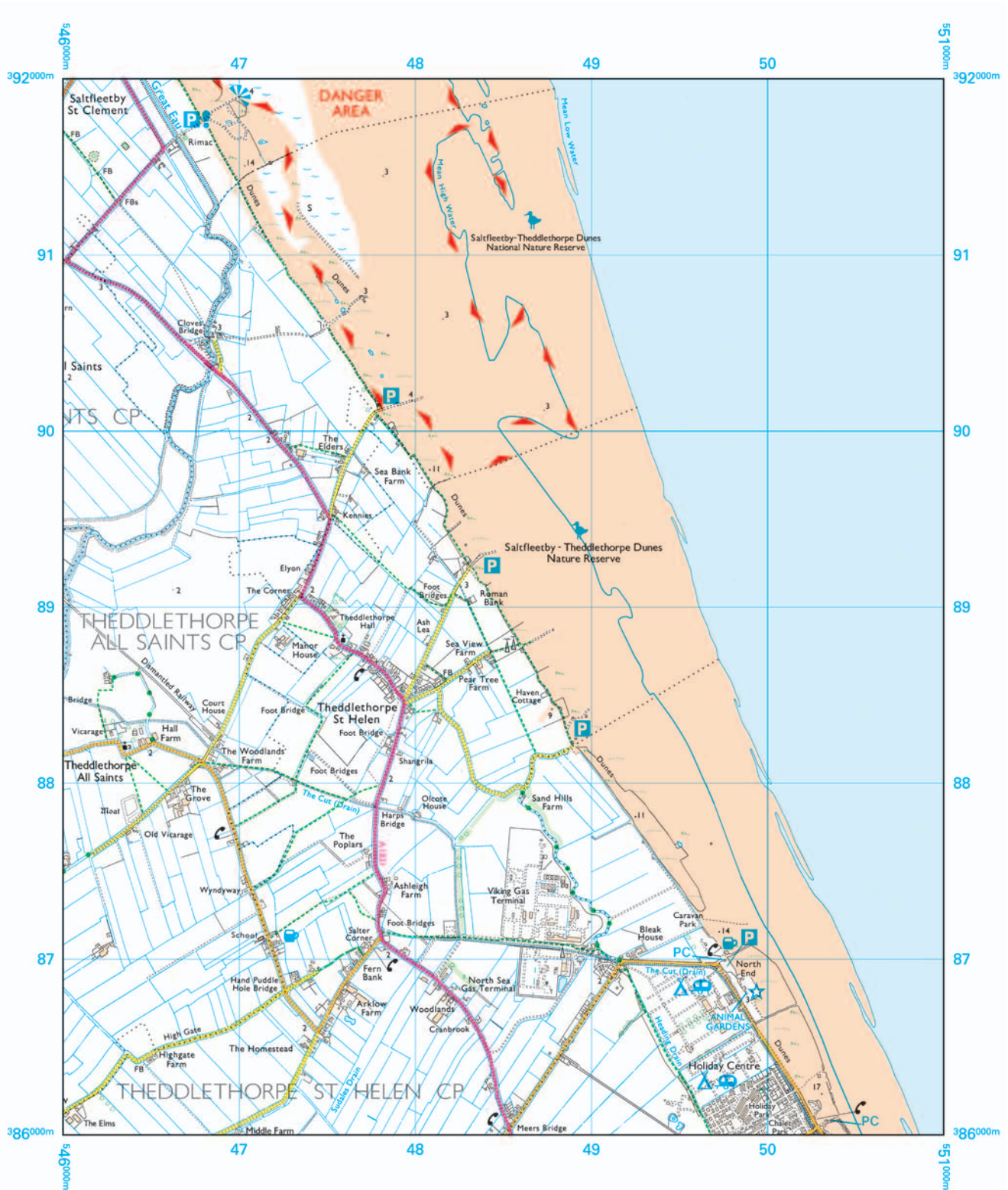


Figure 4



Turn over ►

Figure 5



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On this photographically reduced OS map extract the scale is 3 cm to 1 km

Figure 7

Vegetation: Marram grass, common milkwort, restharrow, red fescue, mosses and occasional lichens.

Horizons (centimetres):

0–4 A	Very dark brown stoneless sand; weak medium and fine crumb structure; abundant fine pores. Very porous; moderate organic matter; abundant medium and fine roots; surface fauna include woodlice, small black ants and rabbits.
4–12.5 B	Very dark greyish brown stoneless fine sand; many medium and fine roots; very porous; irregular merging boundary.
12.5–70 C	Greyish brown stoneless fine sand; structureless; very porous; very low organic matter content; many fine roots, fewer with depth.

Figure 9

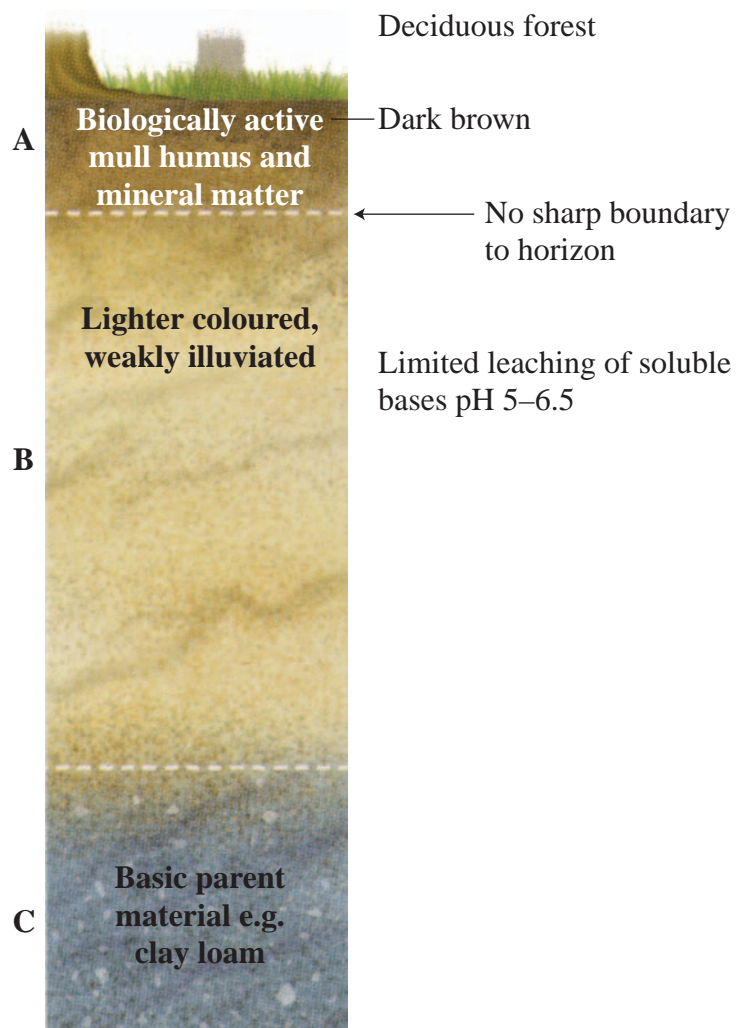


Figure 11



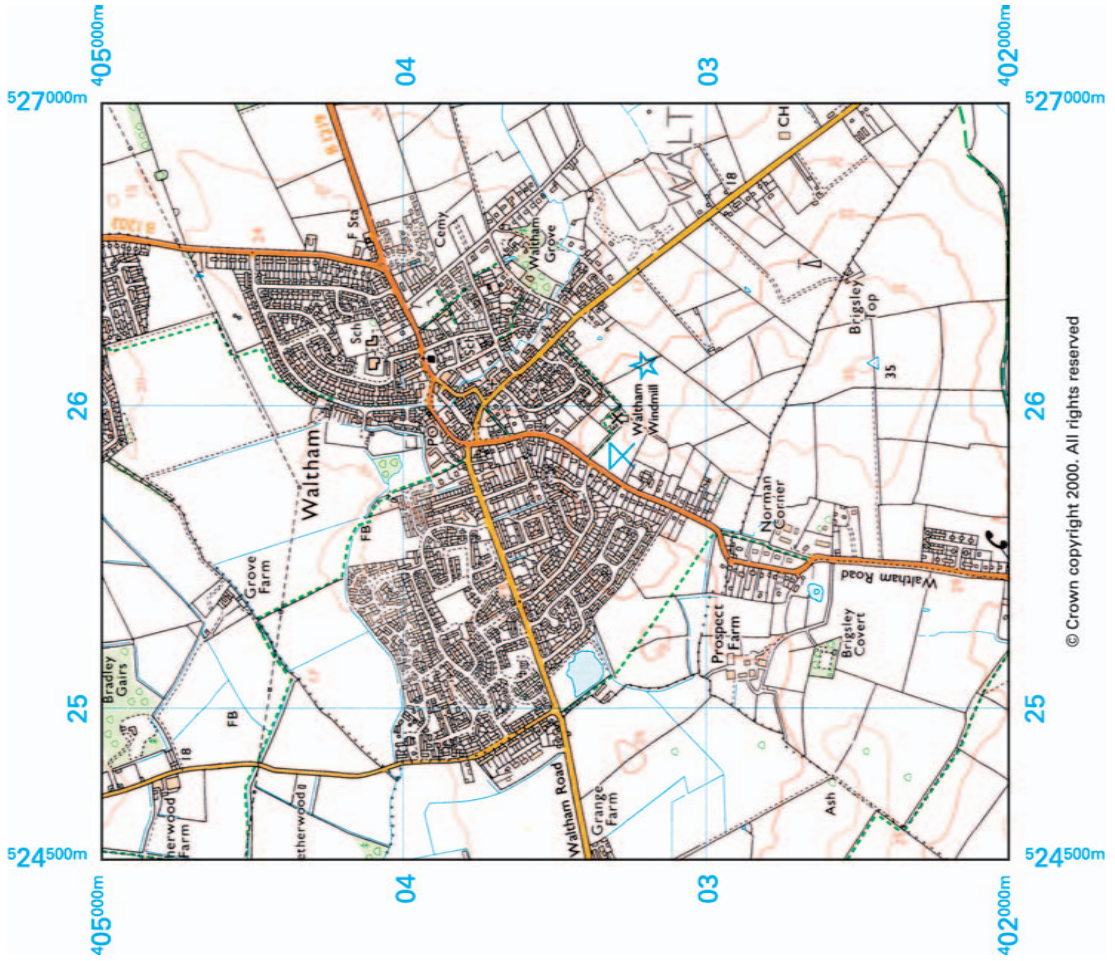
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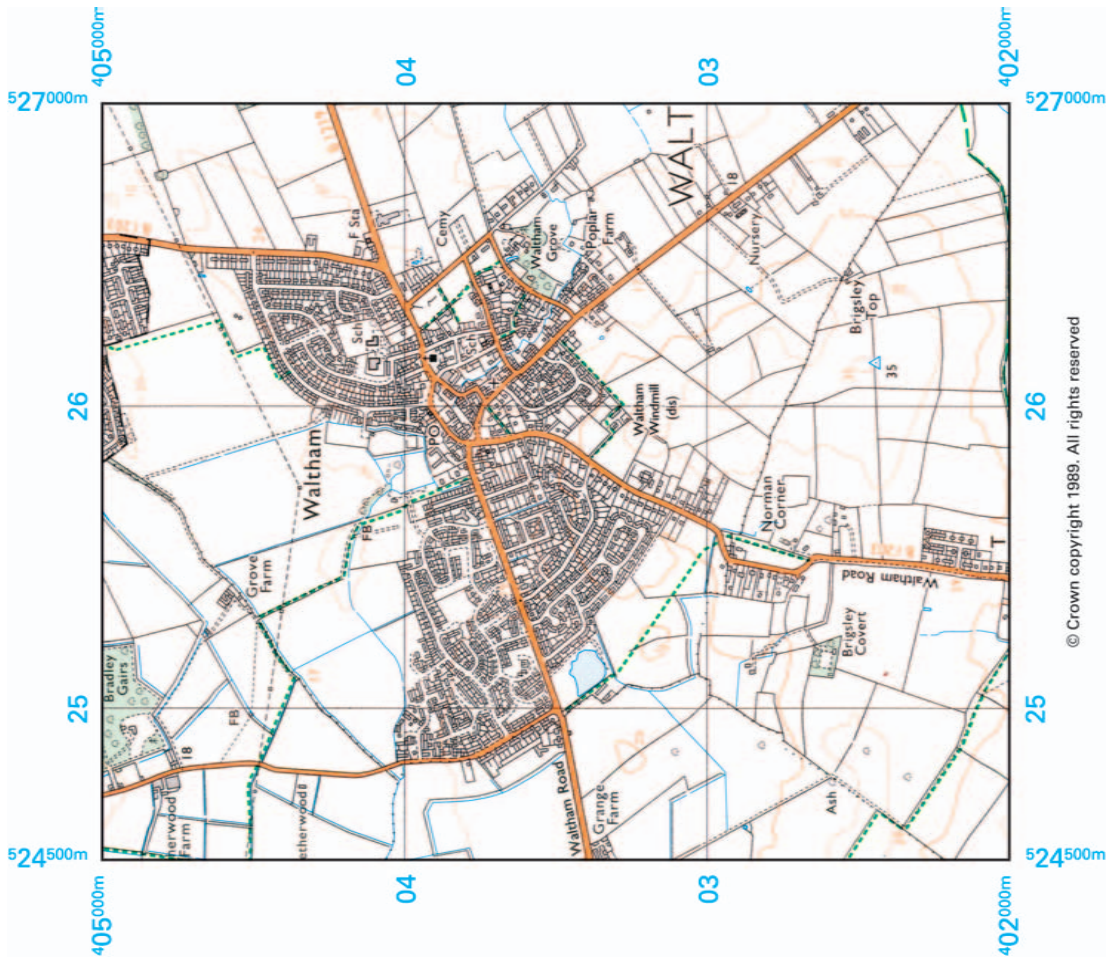
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Figure 12d
(2000)



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Figure 12c
(1989)



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Figure 13



Figure 15

500,000 new houses for the East

Government proposals to build nearly 500,000 new homes in eastern England were given the go-ahead by regional planners yesterday despite warnings that it would create a water and road crisis.

The proposal to concrete over vast swathes of Cambridgeshire, Essex and Hertfordshire flies in the face of an independent environmental assessment which concluded that the plans would destroy wildlife and threaten landscapes.

It has also been heavily opposed by rural campaigners, who have claimed that historic villages and greenfield sites will be swamped by sprawling new towns.

A planning consultant's report warned of a water crisis in one of the driest areas in the country and of increasing traffic congestion.

"The plan is likely to have serious negative impacts on water resources, biodiversity, tranquillity, air quality, recreational access and congestion," states the report. A 25-member regional panel nodded through the draft proposal to build 478,000 homes between Stansted, Essex, and Peterborough, Cambridgeshire, by 2021.

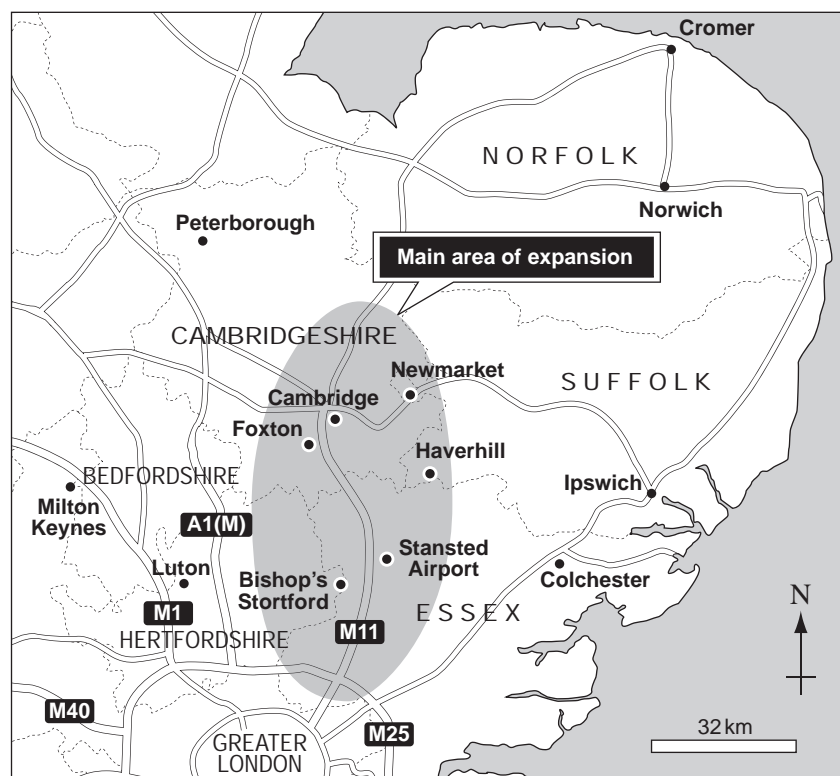
The chairman of the planning panel said any fears that the region might be swamped were unjustified. He said, "We have approved the proposals for 478,000 homes because we want to ensure there are homes for the people expected to move to the area and to cater for the expected growth that is likely in commerce over the next 20 years and to ensure there are homes for people who are homeless at the moment in the area".

It is planned that about 60 per cent of the new development will take place on brownfield sites which

are already used for housing, but the rest would be built on greenfield land.

The Campaign for the Protection of Rural England (CPRE) head of planning said, "The plan will result in urban sprawl over some of our finest countryside, yet more road congestion, water shortages and a rolling back of rural tranquillity".

The CPRE has warned that much of the proposed development will be on greenbelt sites round Harlow, Epping and Stevenage, which were supposed to benefit from the greatest level of protection.



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