



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
Cambridge International Level 3 Pre-U Certificate  
Principal Subject

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**GEOGRAPHY**

**9768/04**

Paper 4 Research Topic

**May/June 2010**

INSERT

**1 hour 30 minutes**

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**READ THESE INSTRUCTIONS FIRST**

This Insert contains all the Figures and the Table referred to in the Question Paper.

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This document consists of **11** printed pages and **5** blank pages.



Fig. 1 for Question 1

The relationship between river channel pattern and bed material

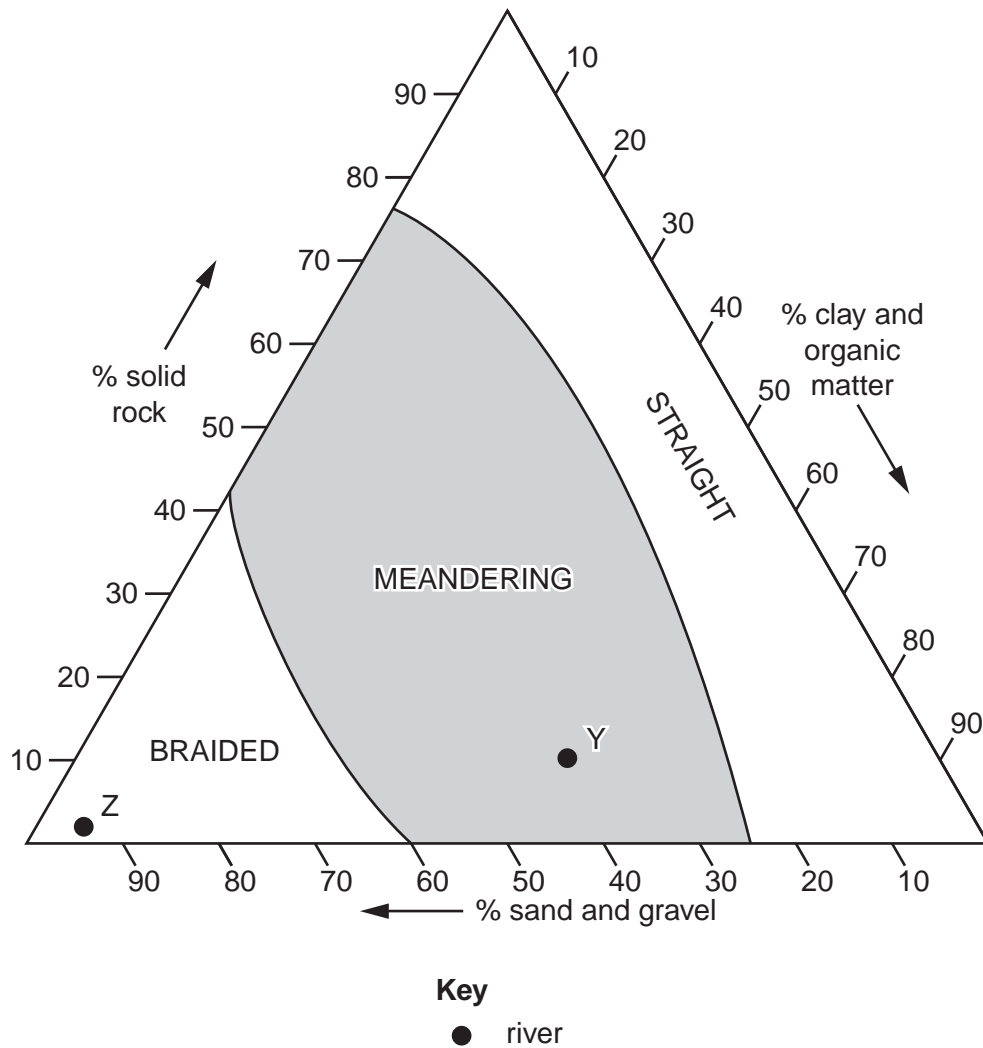
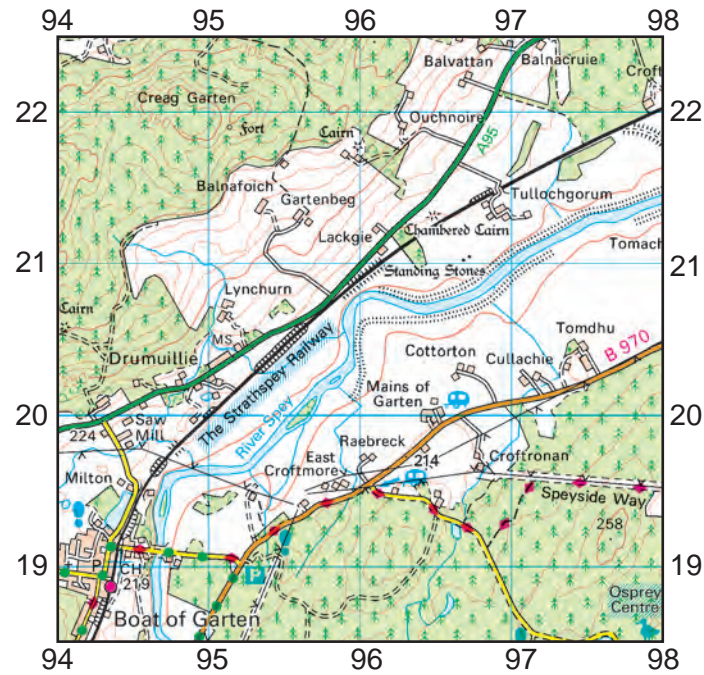


Fig. 2 for Question 1

1:50 000 OS map extract of the River Spey, Scotland



Extract produced by Ordnance Survey 2009 © Crown copyright 2007

Photograph A for Question 1

Part of the River Spey shown on Fig. 2



Fig. 3 for Question 2

## Bedload particle diameter and distance from the source

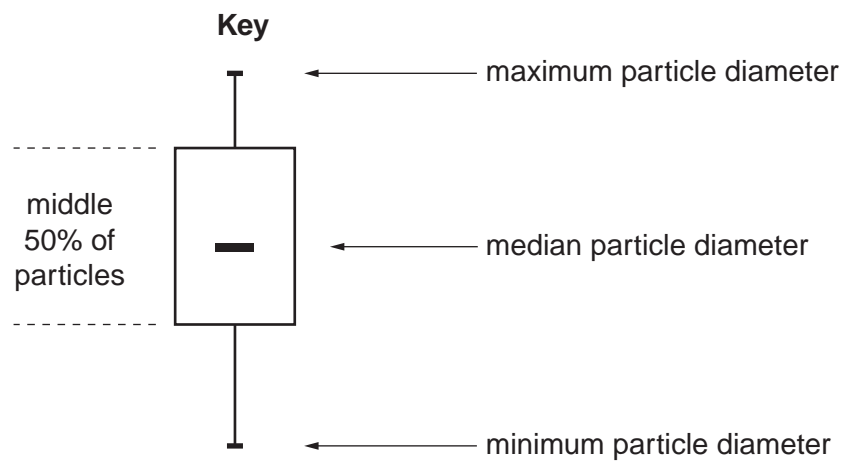
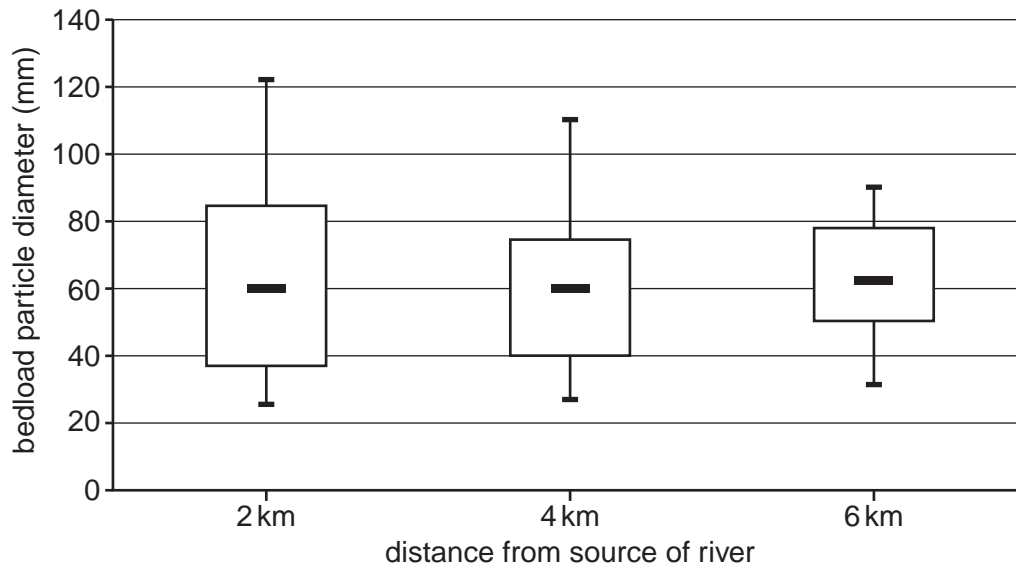




Fig. 4 for Question 5

## Chloride and ammonium levels in groundwater surrounding a landfill site

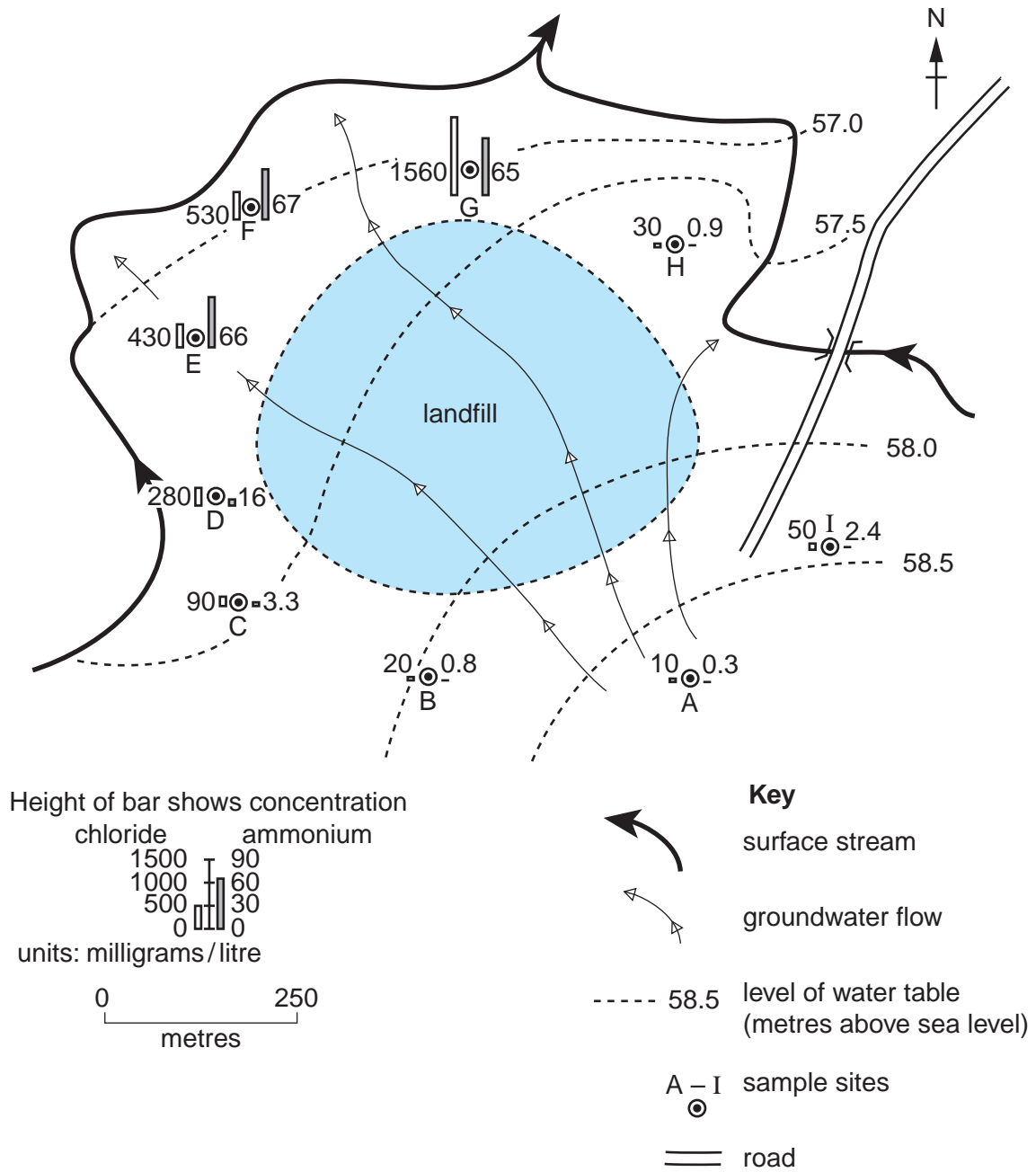


Fig. 5A for Question 5

## The location of Beijing, China

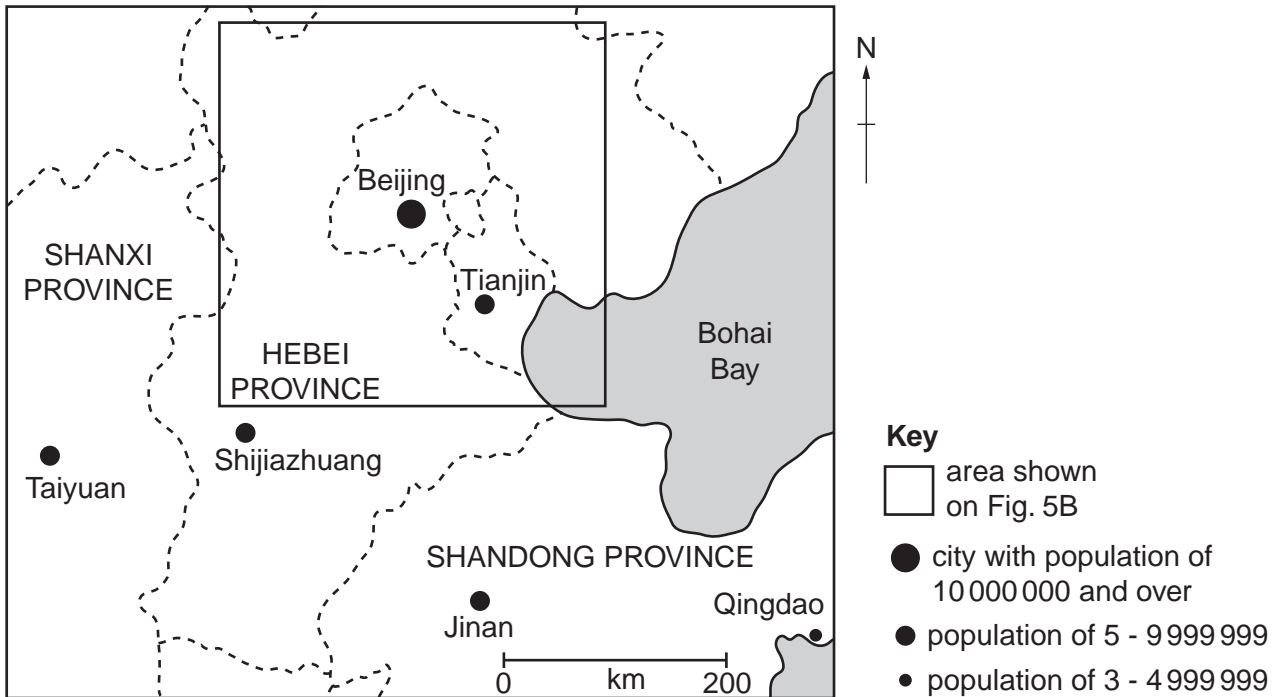


Fig. 5B for Question 5

## Average concentration of fine particulate matter, July 2001

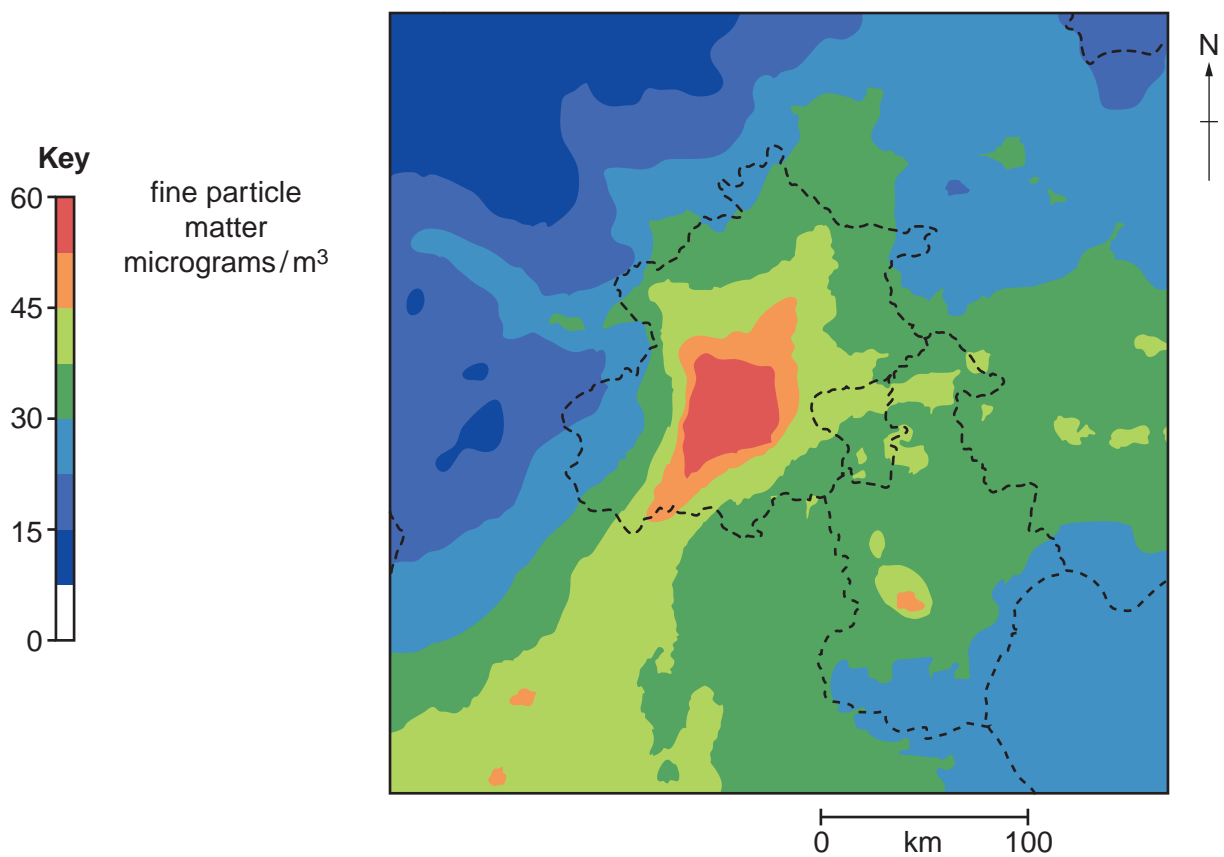
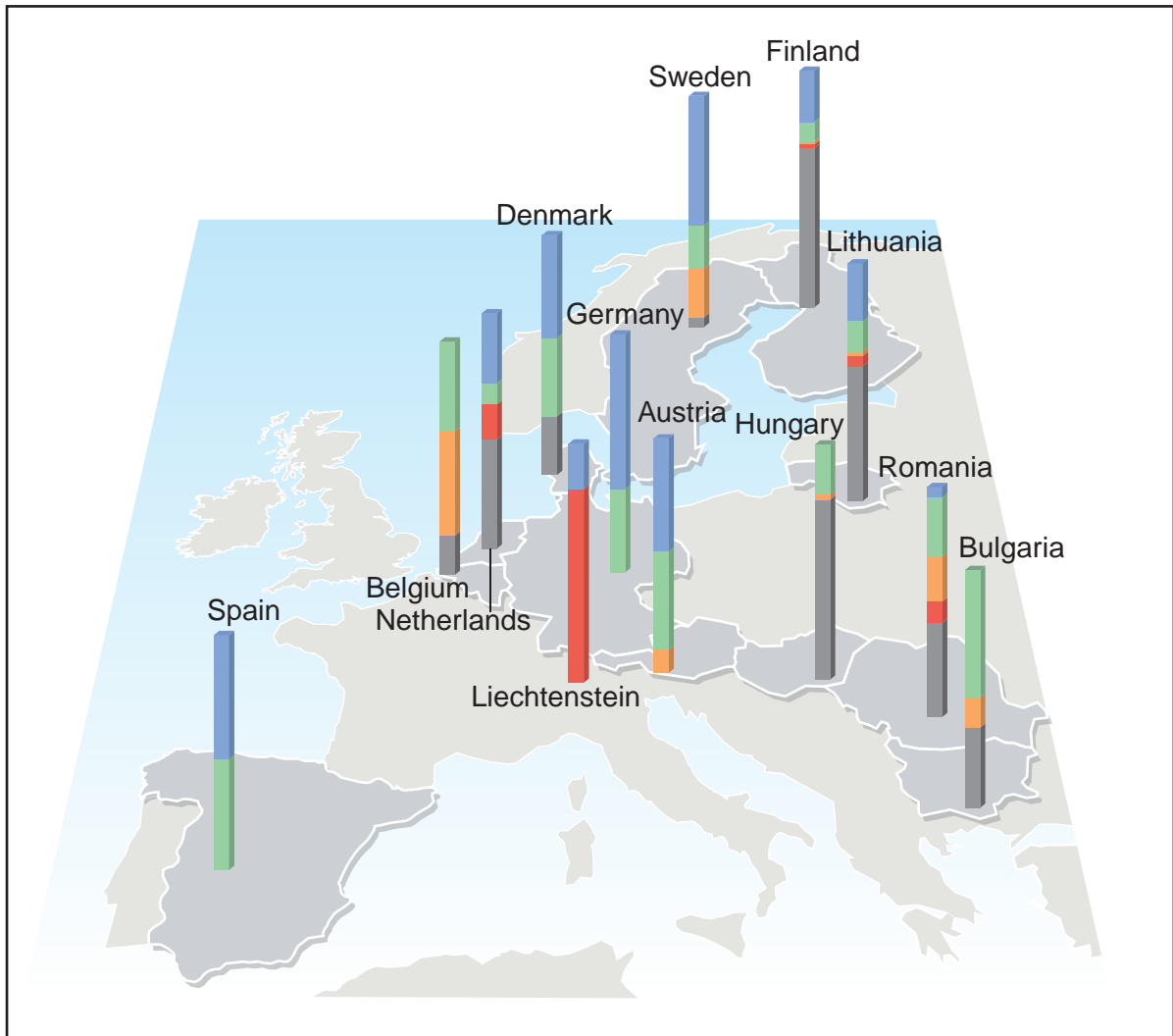
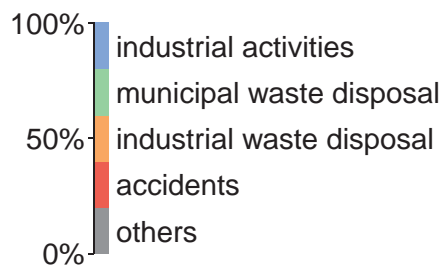


Fig. 6 for Question 6

## Sources of soil pollution for selected European countries, 2002



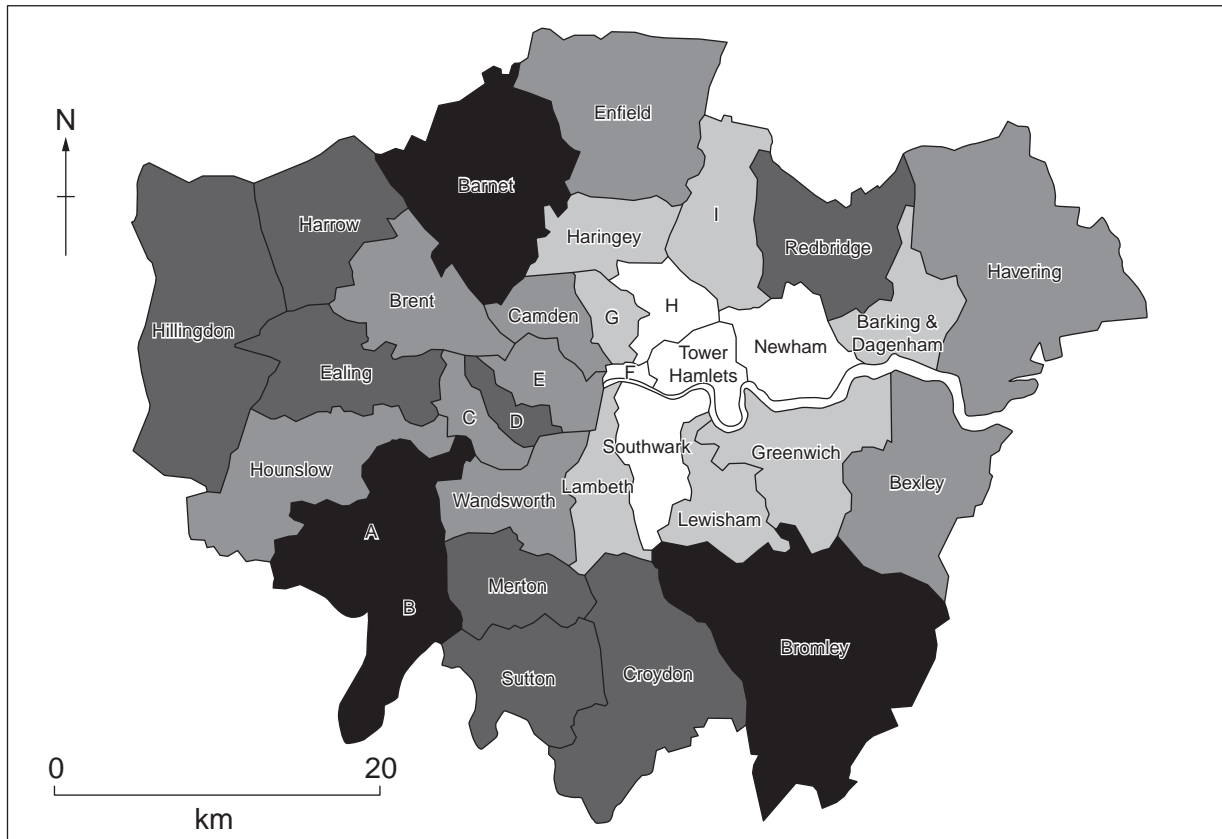
## Key



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Fig. 7A for Question 9

Average weekly spend on comparison goods per household in London Boroughs, 2001



### Key

#### Average weekly spend

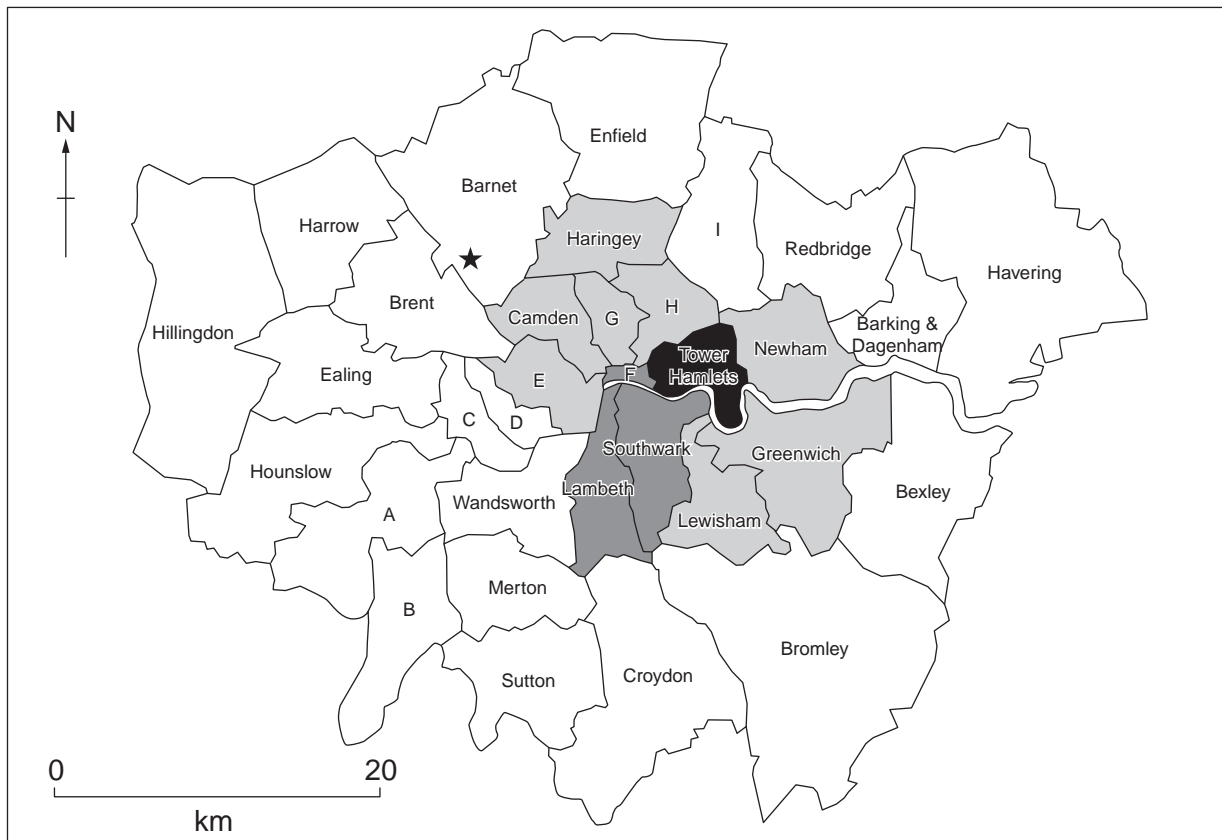
##### Comparison Goods

- £92.70 and above
- £86.50 to £92.69
- £80.30 to £86.49
- £74.10 to £80.29
- £67.90 to £74.09

- A Richmond upon Thames
- B Kingston upon Thames
- C Hammersmith & Fulham
- D Kensington & Chelsea
- E Westminster
- F City of London
- G Islington
- H Hackney
- I Waltham Forest

Fig. 7B for Question 9

**Projected average annual growth of weekly spend on comparison goods in London Boroughs, 2001–2016**



### Key

#### Average Annual Growth 2001-2016

■ £5.61 to £6.04

■ £5.17 to £5.60

■ £4.73 to £5.16

□ £4.29 to £4.72

A Richmond upon Thames

B Kingston upon Thames

C Hammersmith & Fulham

D Kensington & Chelsea

E Westminster

F City of London

G Islington

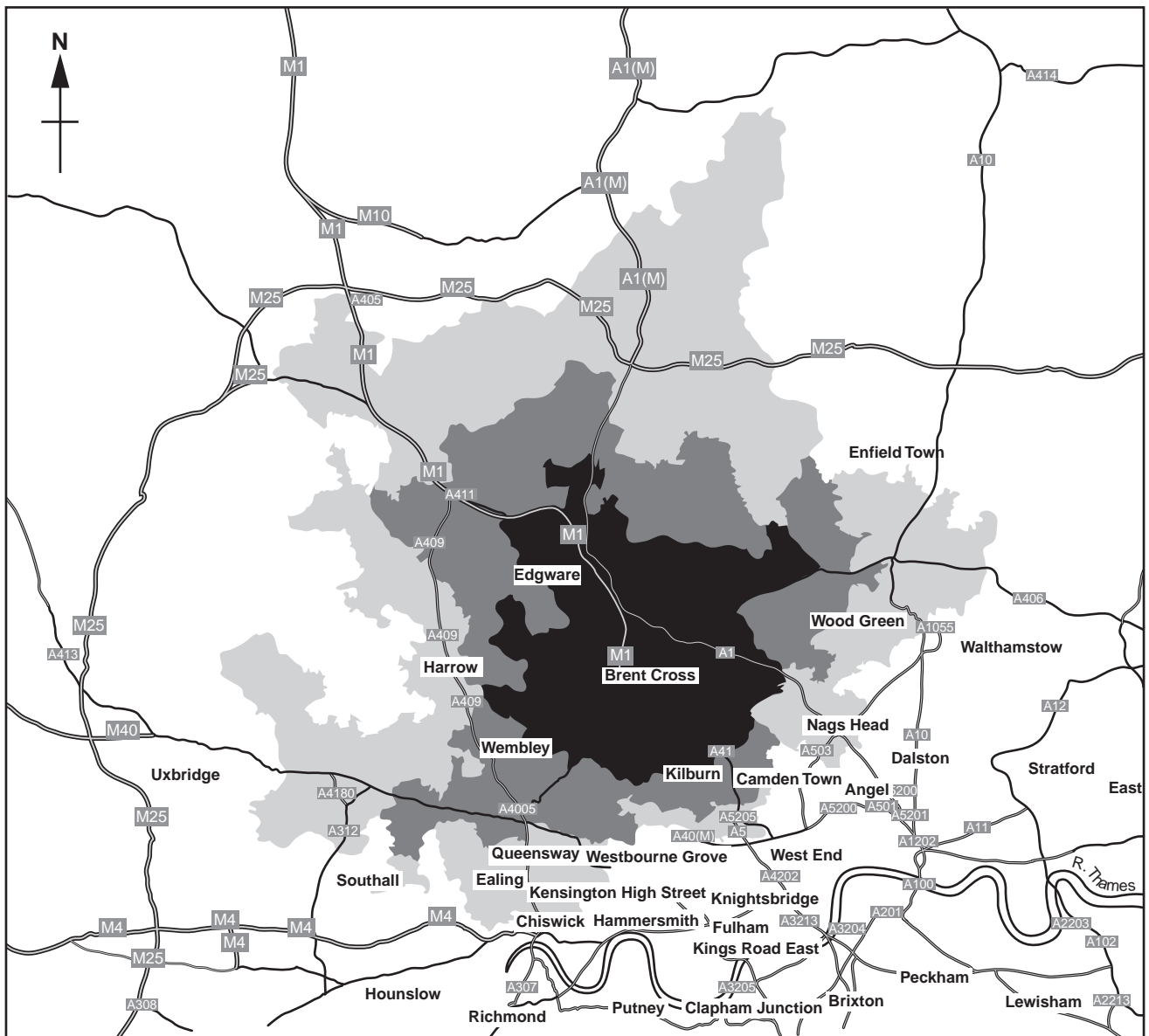
H Hackney

I Waltham Forest

★ Brent Cross shopping centre

Fig. 8 for Question 9

## The retail catchment area of Brent Cross shopping centre

**Key**

primary catchment  
 secondary catchment  
 tertiary catchment

0 Km 15

Primary catchment – 50% of all shoppers come from within this area  
 Secondary catchment – 80% of all shoppers come from within this area  
 Tertiary catchment – 90% of all shoppers come from within this area

Table 1 for Question 10

## Characteristics of retail concentrations in Green Square, Sydney, Australia, 2007

Location	Number on Map	Retail character
Crown Square	1	Food based, Asian influence
Dank Street	2	Food, homewares
Botany Road	3,4,5	Mixed retail in pockets along the road – bulky goods to south; convenience focus at Rosebery; factory outlets to north
McEvoy Street	6	Factory outlets
O’Riordan Street	7	Bulky goods centres
Gardeners Road	8	Retailing – mostly southern side
Dalmeny Avenue shops	9	Local convenience shopping
Bourke Street	10	Factory outlets
Victoria Park	11	Local convenience shopping, restaurants
South Sydney Corporate Park	12	Retailing, services for workers

Fig. 9 for Question 10

## Existing Retail, Green Square, Sydney







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