

Write your name here

Surname

Other names

Centre Number

Candidate Number

**Edexcel GCSE**

# Geography A

## Unit 1: Geographical Skills and Challenges

**Foundation Tier**

Thursday 14 June 2012 – Morning

**Time: 1 hour**

Paper Reference

**5GA1F/01**

**You must have:**

Resource Booklet (enclosed)

Ordnance Survey Map Extract (enclosed)

Total Marks

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*

### Information

- The total mark for this paper is 50.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (\*) are ones where the quality of your written communication will be assessed  
– *you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.*

### Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

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**PEARSON**

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**SECTION A – GEOGRAPHICAL SKILLS**

**Answer ALL questions in this section.**

**Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.**

**1** (a) Look at the Ordnance Survey (OS) map extract of the Ledbury and Malvern area and Figure 1a (photograph) in the Resource Booklet.

(i) The photograph was taken in grid square 7641 looking south east towards the village of Welland.

Name the land feature at **Z**.

(1)

- A** post office
- B** public house
- C** windmill with or without sails
- D** current or former place of worship with spire

(ii) Which **one** of the following abbreviations (symbols) can be seen on the map in grid squares 7939 and 7940 but cannot be seen on the photograph?

(1)

- A** public convenience
- B** milepost
- C** post office
- D** clubhouse

(iii) Describe the shape of Welland.

Use map and / or photographic evidence in your answer.

(3)

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(b) Look at the OS map extract of the Ledbury and Malvern area and Figure 1b.

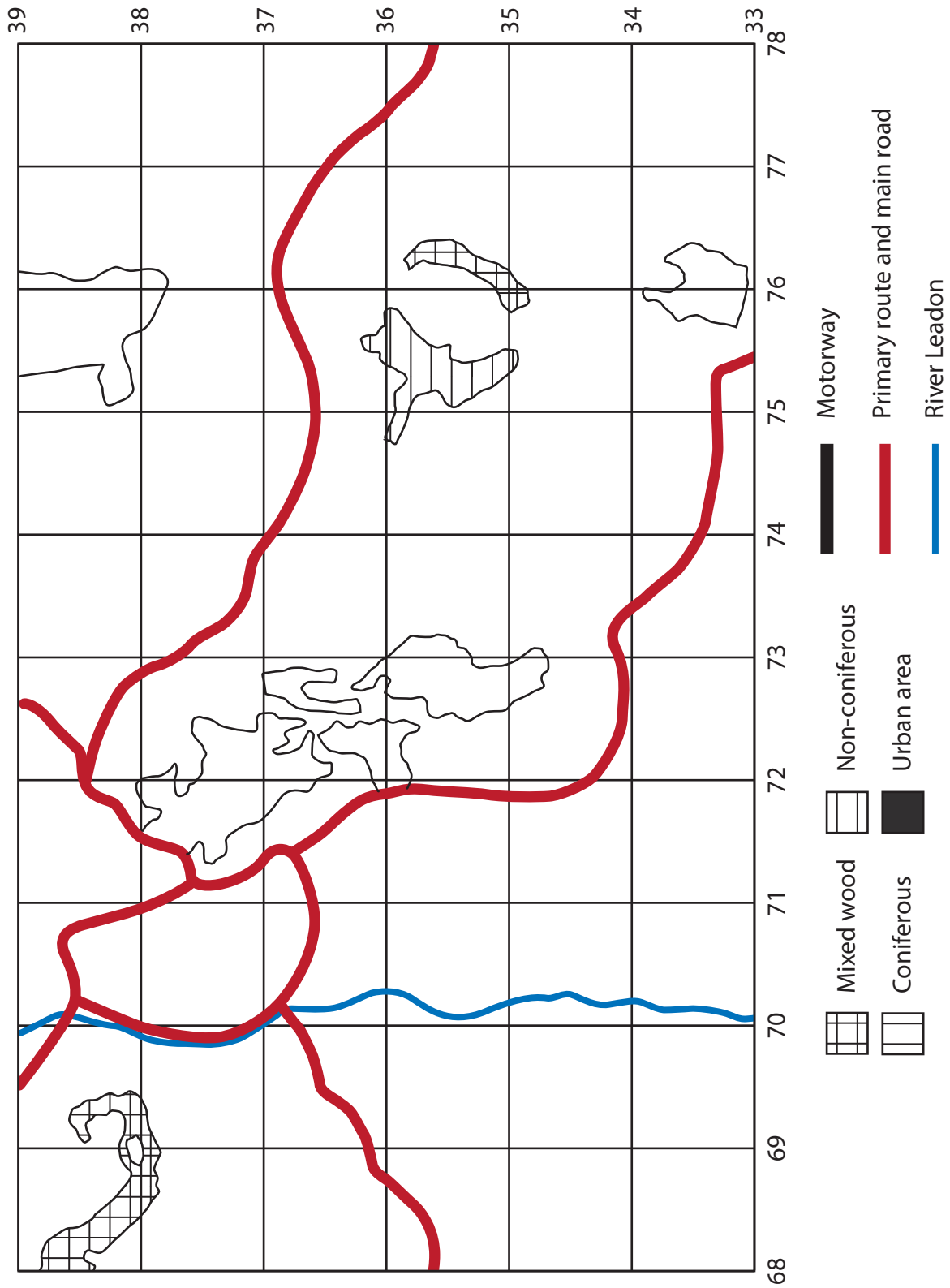


Figure 1b



(i) A number of woodland areas have been marked on Figure 1b (sketch map).  
The outlines of other woodland areas have been drawn.  
Use the key provided on the sketch map to shade on Figure 1b.

(2)

1. **one** area of coniferous woodland
2. **one** area of non-coniferous woodland.

(ii) Mark the following on Figure 1b.  
Use the key provided on the sketch map.

(2)

1. the M50 motorway
2. the urban area of Ledbury.

(c) Complete the sentences to describe the land use shown on Figure 1b.  
Use some of the words in the box below.

(5)

<b>woodland</b>	<b>north west</b>	<b>south west</b>	<b>farmland</b>
<b>Leadon</b>	<b>Eastnor</b>	<b>Ledbury</b>	<b>scrubland</b>

The urban area of Ledbury is to the ..... of the area.

The land use to the south west of the area is .....

The River ..... flows through the area.

The land use in the north east of the area is mainly ..... with  
a few small settlements such as ..... in grid square 7337.



(d) State **two** differences between the land use in the area shown by Figure 1b and the land use in the area marked by a red rectangle on the OS map extract.

(2)

Difference 1

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.....

Difference 2

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**(Total for Question 1 = 16 marks)**



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**Question 2 is on the next page**



2 (a) Look at Figure 2a.

It is an incomplete rose diagram showing some of the results of a questionnaire carried out in the car park in grid square 7640.

The bars show the direction from which people had travelled to visit the Malvern Hills.

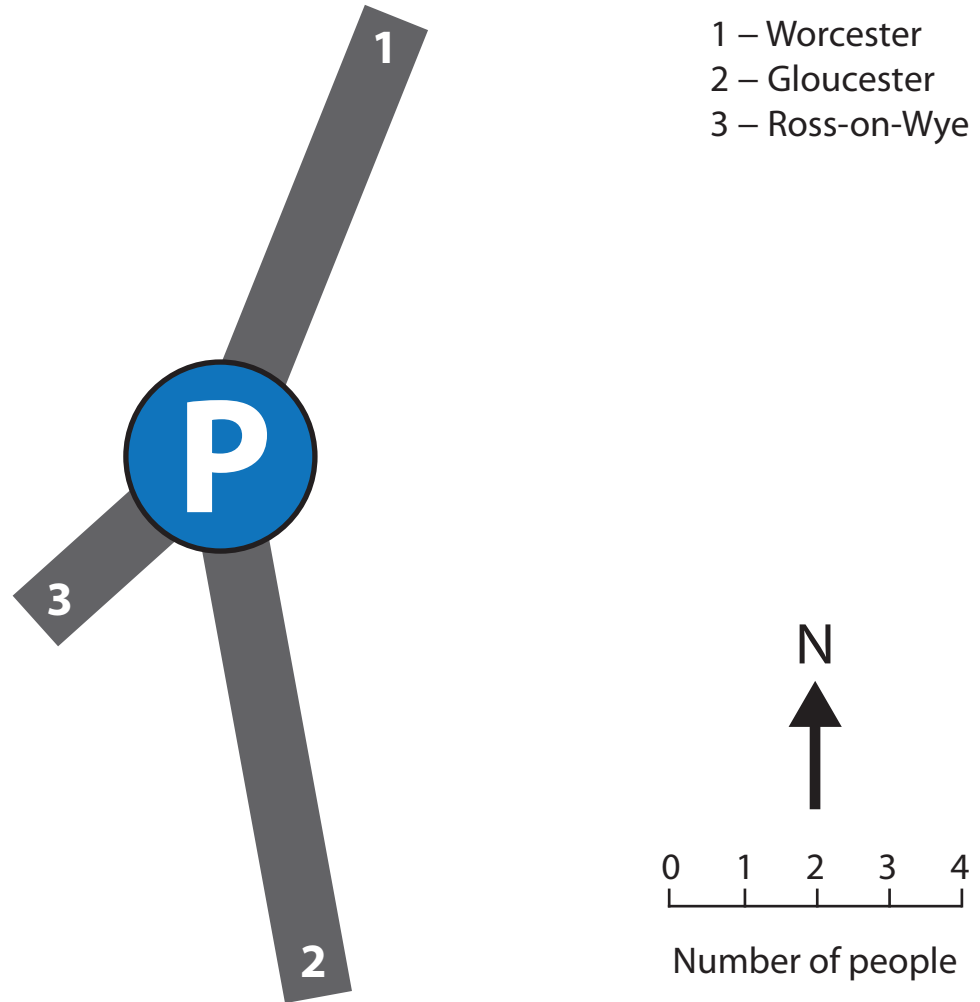


Figure 2a

(i) In which direction is Ross-on-Wye from the car park?

(1)

(ii) Complete Figure 2a with the information below drawn in approximately the correct direction.

Use the OS map extract to help you.

(4)

Where have you travelled from today?	Number of people
Wellington Heath (7140)	6
Upton upon Severn (8540)	3





(iii) A rose diagram is the best way to present this type of data because it

(1)

- A** only shows the distance travelled
- B** shows two pieces of information on one diagram
- C** shows number of people and distance they travelled
- D** is the only way to display this type of data

(b) Students found out some more information about the places from which people had travelled.

This is shown in Figure 2b.

Where have you travelled from today?	Distance to car park (km)
Worcester	20
Gloucester	35
Ross-on-Wye	30
Wellington Heath	10
Upton upon Severn	10

**Figure 2b**

Describe the results shown in Figure 2a and 2b.

Use evidence in your answer.

(3)

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**(Total for Question 2 = 9 marks)**

**TOTAL FOR SECTION A = 25 MARKS**

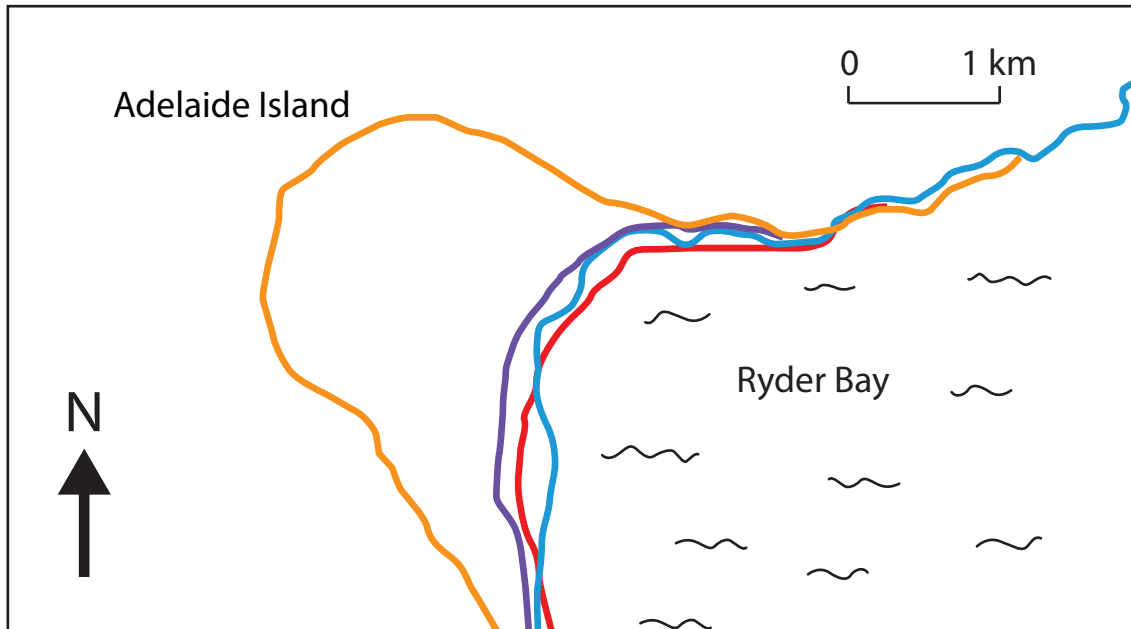






**SECTION B – CHALLENGES FOR THE PLANET**

**Answer ALL questions in this section.**

**3** (a) Look at Figure 3.

It shows the retreat of the Sheldon Glacier in Antarctica between 1947 and 2007.



Key	
Position of glacier front	Year
	2007
	1987
	1967
	1947

**Figure 3**



(i) What is the maximum retreat of the Sheldon Glacier between 1947 and 2007? (1)

- A 2 km
- B 3 km
- C 4 km
- D 5 km

(ii) In which time period was the maximum retreat? (1)

- A 1947 to 1967
- B 1967 to 1987
- C 1987 to 2007
- D 1947 to 1987

(iii) Complete the sentences to explain the effects of climate change. Use some of the words in the box below. (5)

**Pacific    increasing    rainfall    decreasing**  
**Equator    temperature    Atlantic**

In some countries close to the ..... , crop yields are ..... because of the lack of .....

In other parts of the world different crops can be grown because the temperature is .....

Global sea levels are rising. This means that many islands in the ..... will be covered with sea water.



(b) One of the causes of climate change is the burning of fossil fuels.

(i) An example of a fossil fuel is

(1)

- A** grass
- B** coal
- C** water
- D** wind

(ii) When fossil fuels are burnt to produce energy they release gases such as

(1)

- A** carbon dioxide
- B** ozone
- C** oxygen
- D** hydrogen

(iii) The gases released by the burning of fossil fuels cause the greenhouse effect which leads to

(1)

- A** an increase in global rainfall
- B** a decrease in global temperatures
- C** an increase in global temperatures
- D** a decrease in global rainfall

(c) Another cause of climate change is an increase of methane in the atmosphere.

State **two** reasons for this increase in methane.

(2)

Reason 1

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Reason 2

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**(Total for Question 3 = 12 marks)**



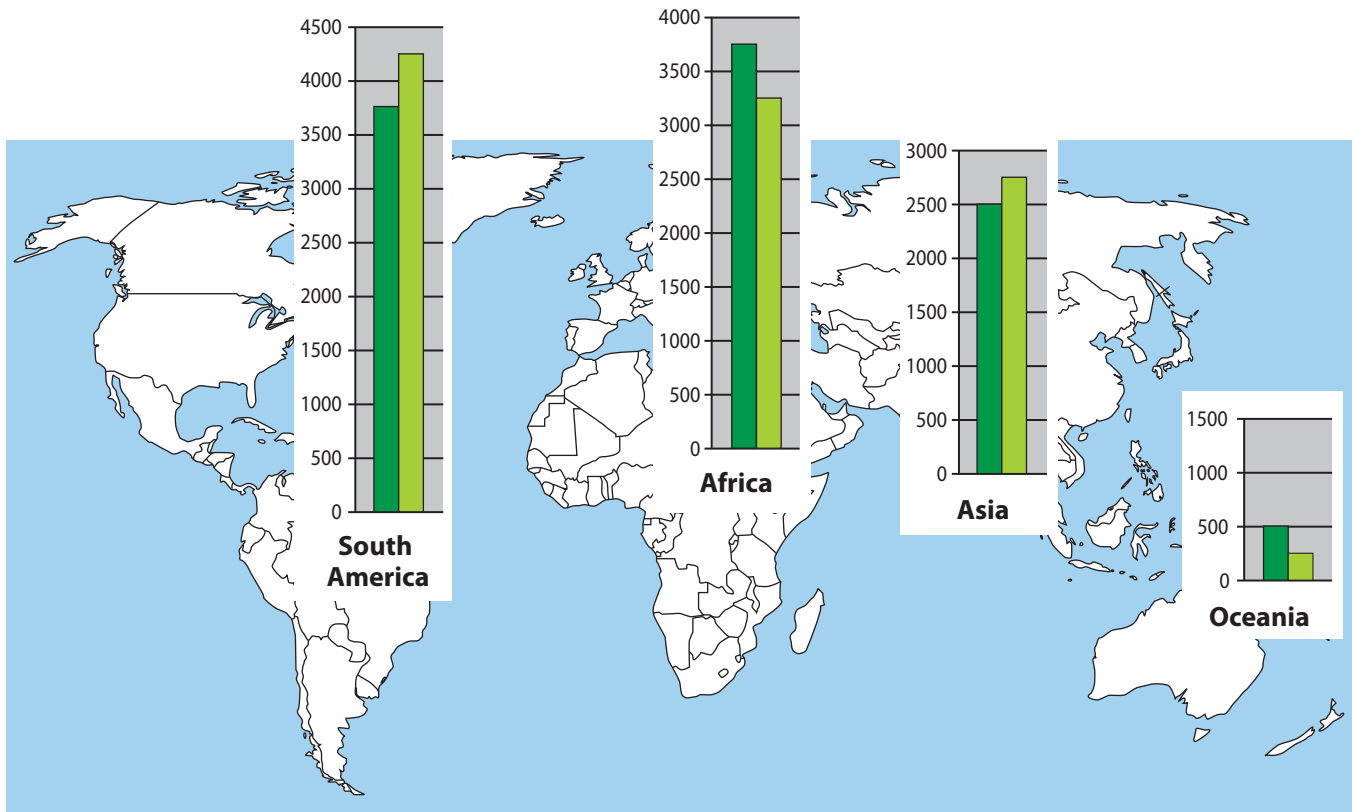
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**Question 4 is on the next page**



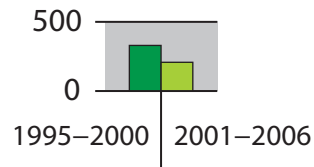
4 (a) Look at Figure 4.

It shows the destruction of the tropical rainforest.



**Key**

Thousands of hectares  
of rainforest destroyed



**Figure 4**

(i) Describe the changes in tropical rainforest destruction between 1995-2000 and 2001-2006.

Use rainforest destruction data in your answer.

(3)

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(ii) Outline the effects of resource exploitation on tropical rainforest areas.

Use examples in your answer.

(4)

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\*(b) Explain how transport is being managed in urban areas.

Use located examples of sustainable transport schemes in your answer.

(6)

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**(Total for Question 4 = 13 marks)**

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**TOTAL FOR SECTION B = 25 MARKS**  
**TOTAL FOR PAPER = 50 MARKS**

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**Edexcel GCSE**

# **Geography A**

**Unit 1: Geographical Skills and Challenges**

**Paper 1F and 1H**

Thursday 14 June 2012 – Morning

**Resource Booklet**

Paper Reference

**5GA1F/01**

**5GA1H/01**

**Do not return the resource booklet with the question paper.**

## **Information**

This Resource Booklet contains a photograph needed for use with the Unit 1: Geographical Skills and Challenges examination.

This Resource Booklet is for use with both foundation and higher tiers.

*Turn over* ►

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**PEARSON**



Figure 1a



Four colours should appear above; if not then please return to the invigilator.  
Four colours should appear above; if not then please return to the invigilator.

**ROADS AND PATHS** Not necessarily rights of way

	Junction number		
	M1		Dual carriageway
	A 470		Footbridge
	A 493		
	B 4518		
	A 855		Bridge
	B 885		
	Gradient: steeper than 20% (1 in 5), 14% to 20% (1 in 7 to 1 in 5)		
	Ferry (passenger)		Ferry (vehicle)

**RAILWAYS**

	Track multiple or single		Bridges, footbridge
	Track under construction		Level crossing
	Siding		Viaduct, embankment
	Tunnel, cuttings		Station, (a) principal
	Light rapid transit system, narrow gauge or tramway		Light rapid transit system station

**WATER FEATURES**

**HEIGHTS** 1 metre = 3-2808 feet

Contours are at 10 metres vertical interval

Heights are to the nearest metre above mean sea level

Where two heights are shown the first height is to the base of the triangulation pillar and the second (in brackets) to the highest natural point of the hill

**PUBLIC RIGHTS OF WAY**

	Footpath
	Bridleway
	Restricted byway
	Byway open to all traffic

**OTHER PUBLIC ACCESS**

	Other route with public access (not normally shown in urban areas). Alignments are based on the best information available. These routes are not shown on maps of Scotland.
	On-road cycle route
	Traffic-free cycle route
	National Cycle Network number
	Regional Cycle Network number
	National Trail, European Long Distance Path, Long Distance Route, selected Recreational Routes

**BOUNDARIES**

	National
	District
	County, Unitary Authority, Metropolitan District or London Borough
	National Park

**TOURIST INFORMATION**

	Camp site / caravan site
	Garden
	Golf course or links
	Information centre (all year / seasonal)
	Nature reserve
	Parking, Park and ride (all year / seasonal)
	Picnic site
	Recreation / leisure / sports centre
	Selected places of tourist interest
	Telephone, public / roadside assistance
	Viewpoint
	Visitor centre
	Walks / Trails
	World Heritage site or area
	Youth hostel

**LAND FEATURES**

	Electricity transmission line (pylons shown at standard spacing)
	Pipe line (arrow indicates direction of flow)
	Buildings
	Important building (selected)
	Bus or coach station
	Current or former place of worship (with tower with spire, minaret or dome)
	Place of worship
	Glass structure
	Helipoint
	Triangulation pillar
	Mast
	Wind pump, wind turbine
	Windmill with or without sails
	Graticule intersection at 5' intervals
	Cutting, embankment
	Landfill site or slag/spoil heap
	Coniferous wood
	Non-coniferous wood
	Mixed wood
	Orchard
	Park or ornamental ground
	Forestry Commission land
	National Trust (always open / limited access, observe local signs)
	National Trust for Scotland (always open / limited access, observe local signs)

**ABBREVIATIONS**

Br	Bridge	MS	Milestone
Cemy	Cemetery	Mus	Museum
CG	Cattle grid	P	Post office
CH	Clubhouse	PC	Public convenience (in rural areas)
Fm	Farm	PH	Public house
Ho	House	Sch	School
MP	Milepost	TH	Town Hall, Guildhall or equivalent

