

Surname	Centre Number	Candidate Number
Other Names		0



GCSE

4232/02

GEOGRAPHY
(Specification A)

HIGHER TIER

UNIT 2: Options Geography

A.M. WEDNESDAY, 12 June 2013

1 hour 15 minutes

Suitable for Modified Language Candidates

		For Examiner's Use Only	
Section A	Theme 7	20	4
	Theme 8	20	4
	Theme 9	20	4
Section B	Theme 10	20	4
	Theme 11	20	4
	Theme 12	20	4
TOTAL		60	12

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **one** question from Section A, **one** from Section B and **one other**.

Answer **no more** than **three** questions.

Write your answers in the spaces provided in this booklet. Where the space is not sufficient for your answer, continue the answer at the back of the book, taking care to number the continuation correctly.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets at the end of each question or part-question.

You are reminded that assessment will take into account the quality of written communication used in your answers that involve extended writing.

In addition, your ability to spell, punctuate and use grammar accurately will be assessed in your answer to the last sub-question of each theme.

SECTION A - PHYSICAL OPTIONS

Answer at least one question from this section, but no more than two.

Theme 7 – Our Changing Coastline

1. (a) Look at the information in the table below.

Wind speed (knots)	Wave height (metres)
30	2.1
40	4.0
50	5.6

- (i) Use the information to describe the relationship between wind speed and wave height.

[2]

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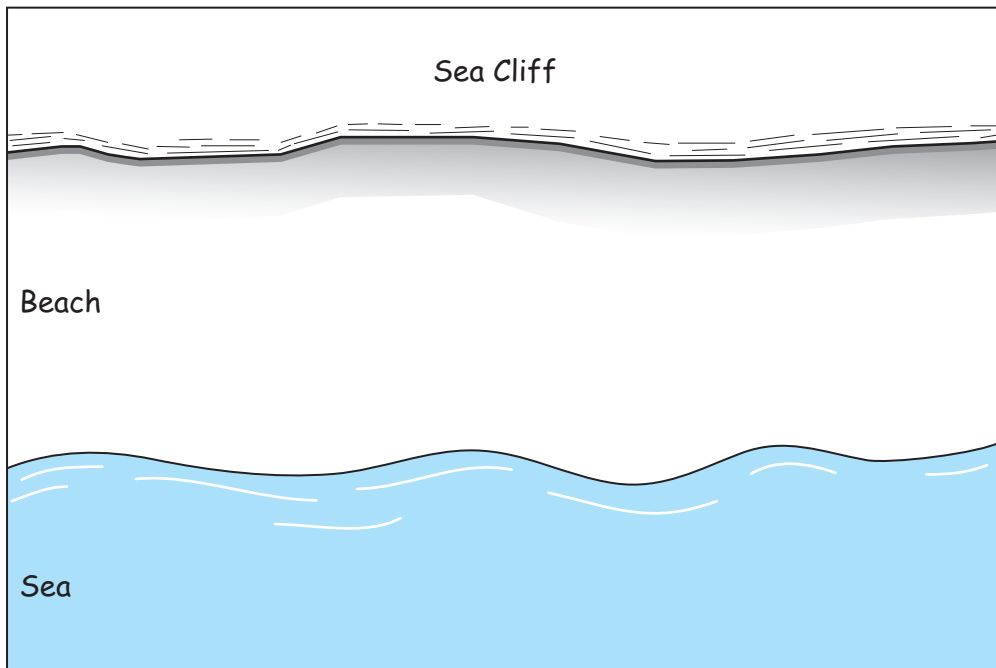
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- (ii) Annotate the diagram below to explain how waves transport material **along** a beach.

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[4]



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(b) Look at the photograph below of groyne on the beach at Tywyn in North Wales.



How can hard engineering strategies, like the use of groyne, help protect the coastline from erosion by the waves? [6]

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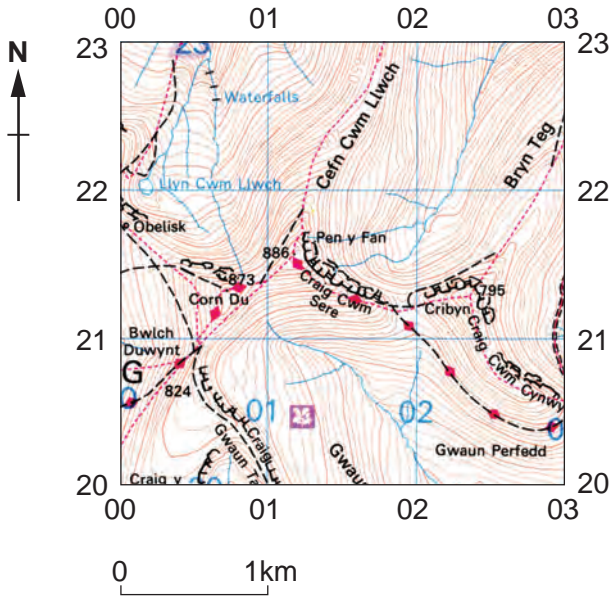
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Theme 8 – Weather and Climate

2. (a) Study the map and photograph below of Pen y Fan, the highest mountain in the Brecon Beacons (a full key is given on page 28).



- (i) Describe the relief of the area shown by the map.

[2]

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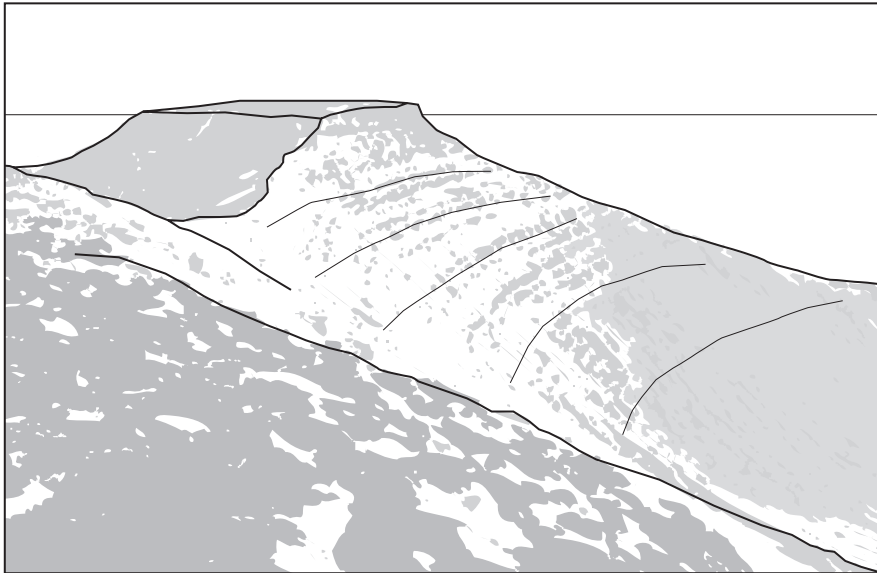
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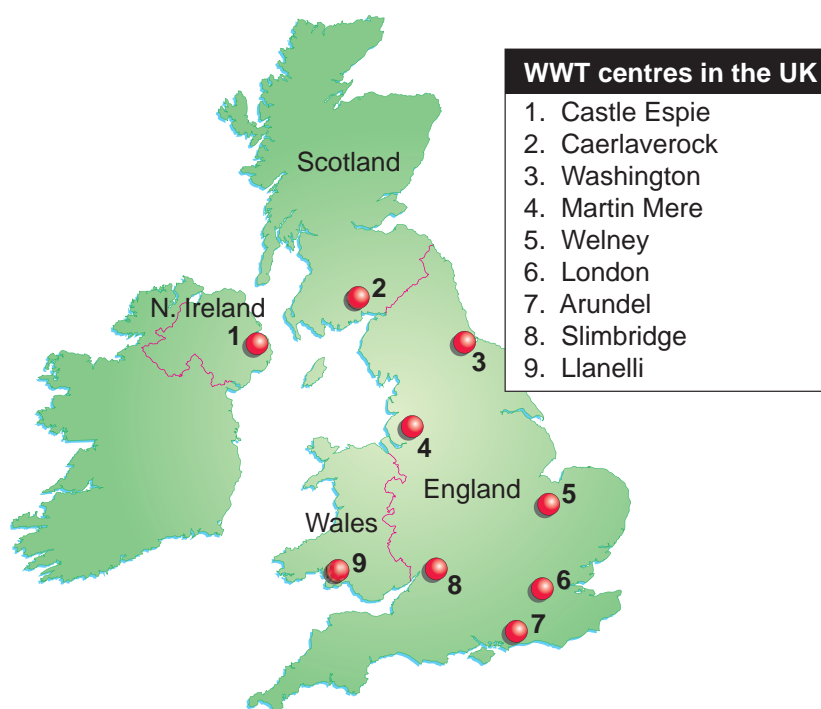
- (ii) The photograph shows the summit at 11am one morning in December.

Annotate the sketch below to explain why one side of the mountain is covered in frost. [4]



Theme 9 – Living Things

3. (a) The Wildfowl and Wetland Trust (WWT) conserves wetland ecosystems in the UK. Study the information about Wildfowl and Wetland Trust centres in the UK.



- (i) Describe the distribution of Wildfowl and Wetland Trust centres in the UK. [2]

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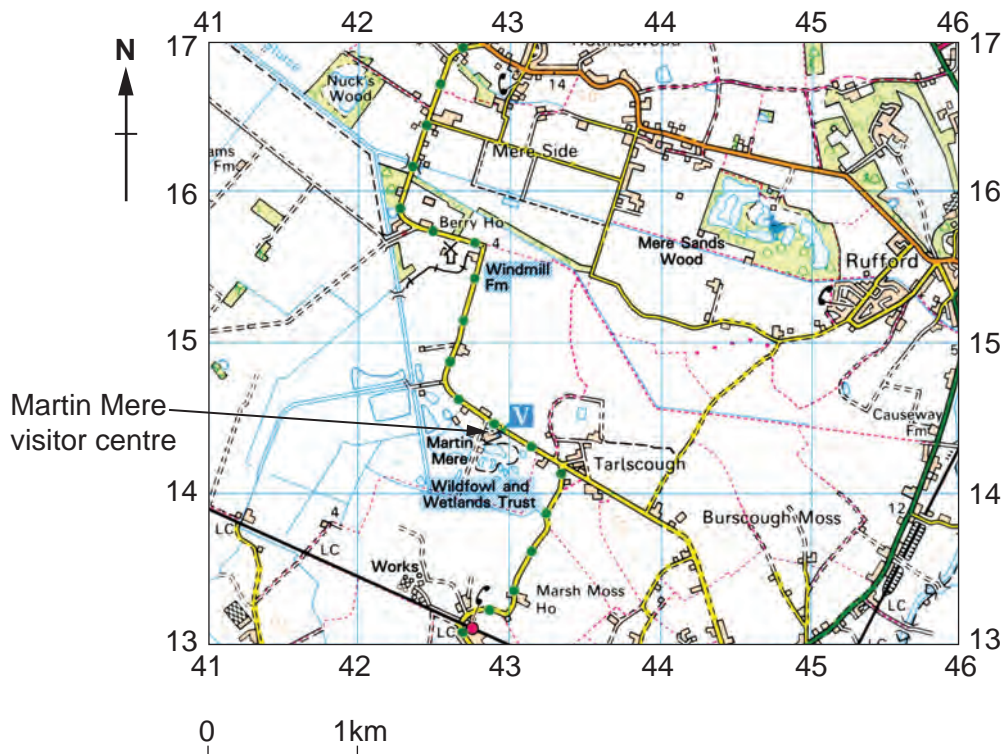
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- (ii) Martin Mere is one of the Wildfowl and Wetland Trust centres in the UK.

Annotate the OS map below to explain why this location has become a Wildfowl and Wetland Trust centre (a full key is given on page 28). [4]



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(b) Describe how people can manage ecosystems sustainably.

[6]

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SECTION B - HUMAN OPTIONS

Answer at least **one** question from this section, but no more than **two**.

Theme 10 – Tourism

4. (a) Study the information below. It refers to a popular tourist destination called the Forest of Dean. This is located on the border between Wales and England.

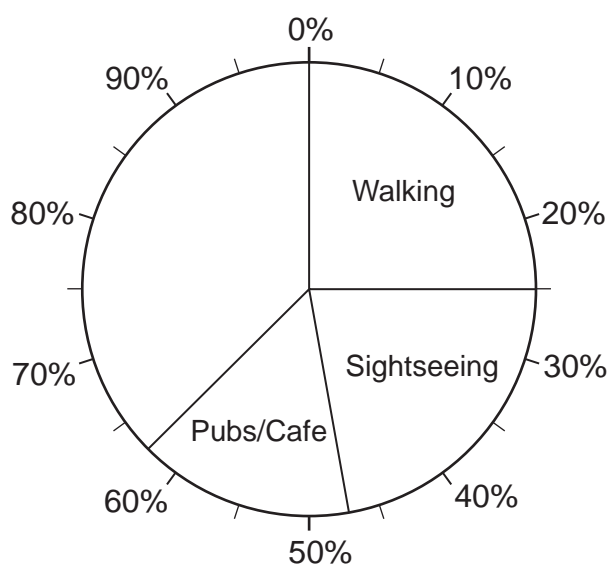


Table of most popular visitor activities in the Forest of Dean

Type of activity	% of people doing the activity
Walking	25
Sightseeing/Visitor attractions	22
Pub/Café/Restaurant	16
Picnic	15
Observe wildlife	8
Cycling	10
Canoeing and Caving	4

- (i) Complete the pie chart to show the most popular tourist activities.

[2]



(ii) Use the information to explain how **two** physical factors attract tourists to the Forest of Dean. [4]

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(b) Describe how tourism can be developed in a sustainable way. [6]

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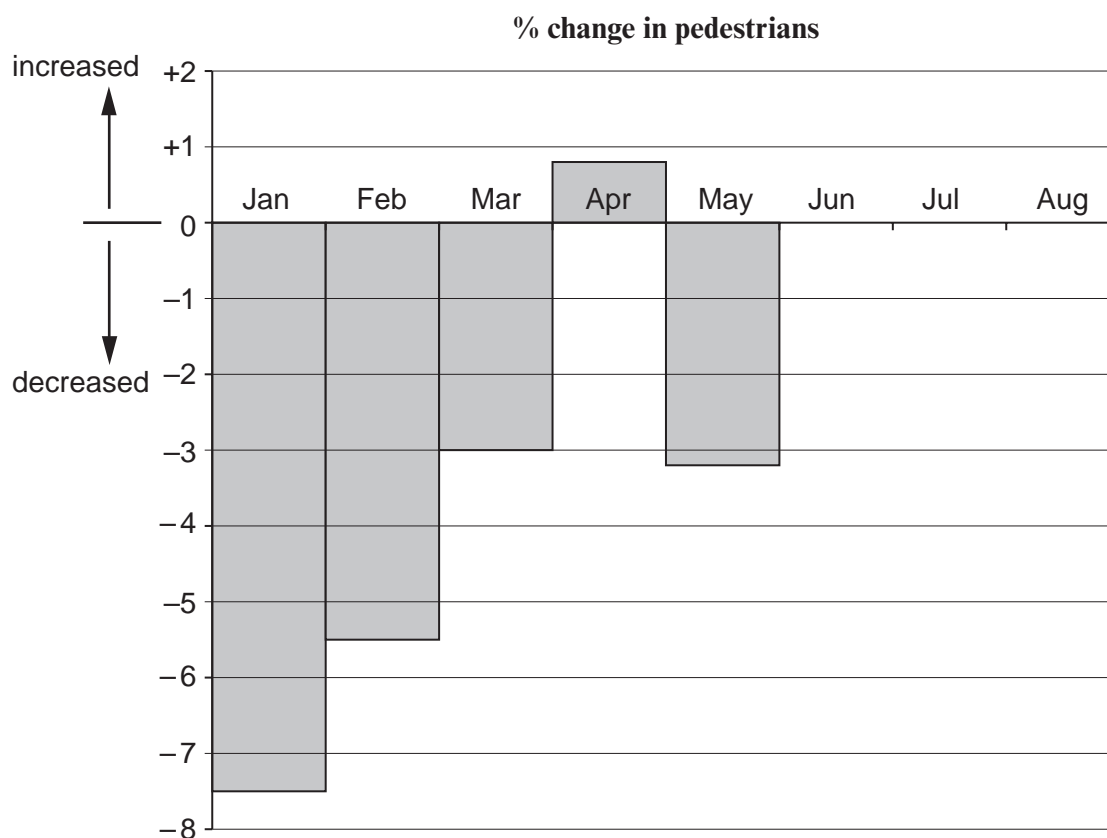
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Theme 11 – Retail and Urban Change

5. (a) Look at the information below. It shows how the number of pedestrians has changed in the CBD area of UK cities between 2009 and 2011 in different months of the year.

Month of the Year	Change in number of pedestrians using CBD area of UK cities
January	-7.5%
February	-5.5%
March	-3.0%
April	+0.8%
May	-3.2%
June	+0.4%
July	-1.9%
August	-3.9%

- (i) Complete the graph below to show the % change in pedestrians within the CBD of UK cities. [2]



- (ii) Many people now prefer to visit out-of-town shopping centres. Use evidence from the photograph below. Give **two** factors to explain why people prefer these locations to city centres. [4]



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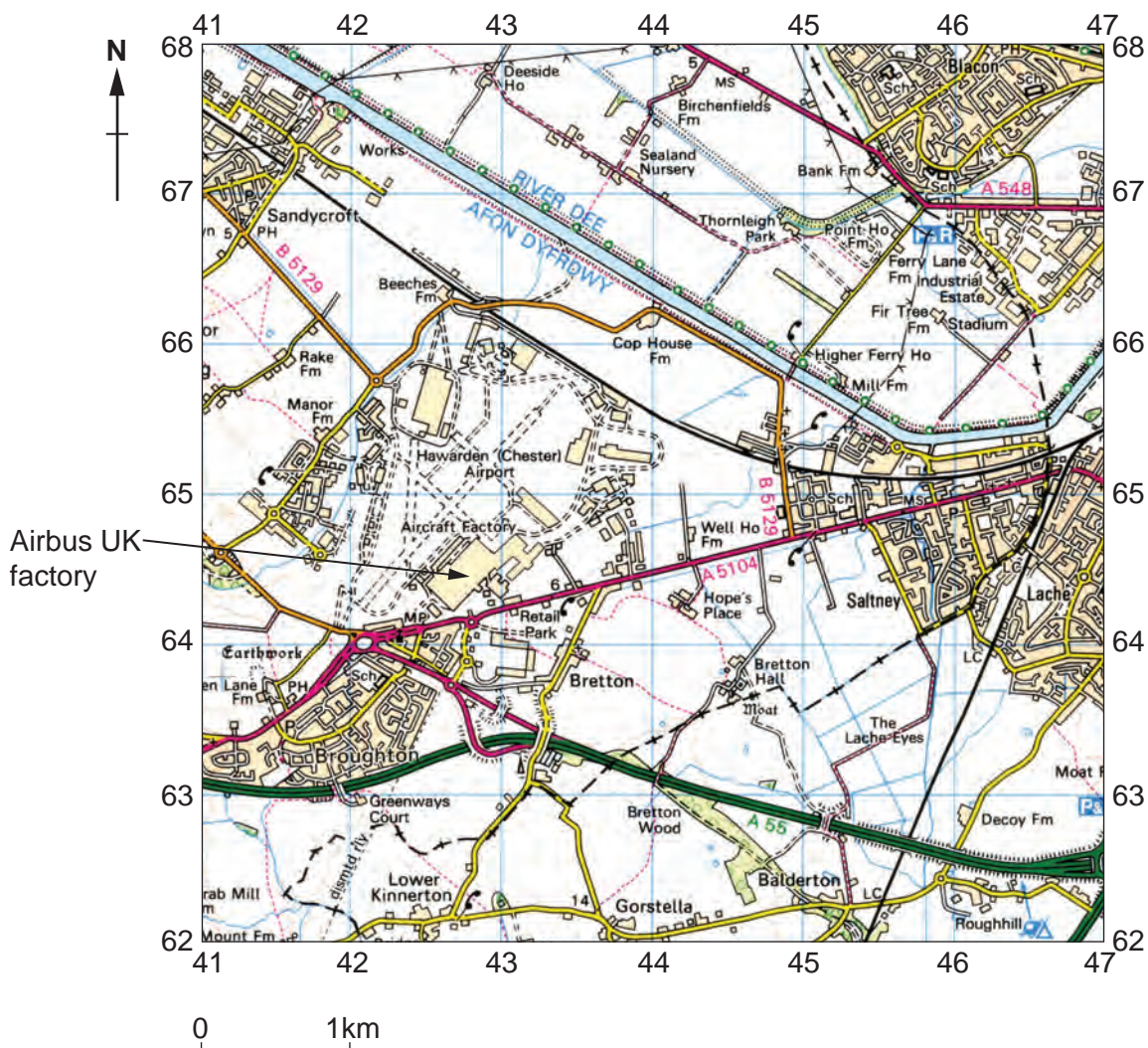
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Theme 12 – Economic Change and Wales

6. (a) Study the information below about the Airbus UK factory in Broughton, North Wales (a full key is given on page 28).



- (i) Use map evidence to describe the location of the Airbus UK factory. [2]

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- (ii) Use map evidence only. Give **two** factors which explain why this is a good location for the Airbus UK factory. [4]

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Continuation only

A series of horizontal dotted lines for writing.

Acknowledgements

Section A

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Section B

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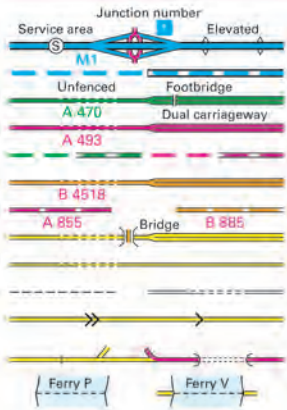
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OS Landranger® (1:50 000 scale) Map symbols

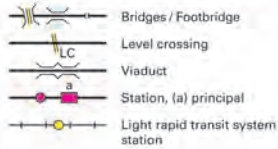
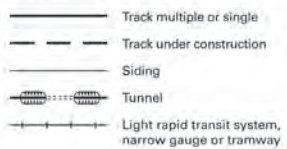
ROADS AND PATHS



Not necessarily rights of way

- Motorway (dual carriageway)
- Motorway under construction
- Primary Route
- Main road
- Primary Route / Main road under construction
- Secondary road
- Narrow road with passing places
- Road generally more than 4m wide
- Road generally less than 4m wide
- Path / Other road, drive or track
- Gradient: 20% (1 in 5) and steeper, 14% (1 in 7) to 20% (1 in 5)
- Gates / Road Tunnel
- Ferry (passenger) / Ferry (vehicle)

RAILWAYS



PUBLIC RIGHTS OF WAY



The symbols show the defined route so far as the scale of mapping will allow. Rights of way are not shown on maps of Scotland.

The representation on this map of any other road, track or path is no evidence of the existence of a right of way

Danger Area Firing and Test Ranges in the area. Danger! Observe warning notices.

OTHER PUBLIC ACCESS



WATER FEATURES



HEIGHTS

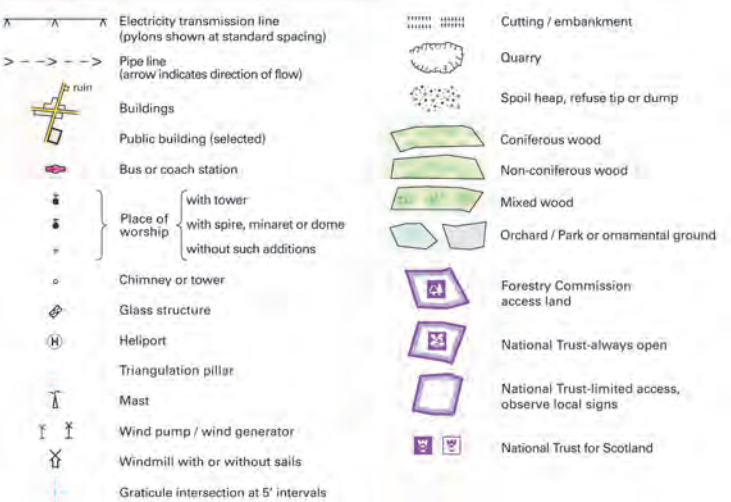


Heights shown close to a triangulation pillar refer to the ground at the base of the pillar and not necessarily to the summit.

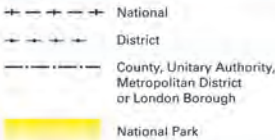
ROCK FEATURES



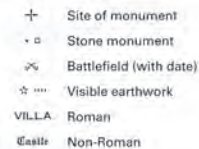
LAND FEATURES



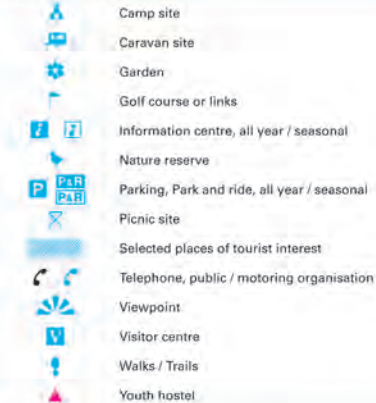
BOUNDARIES



ANTIQUITIES



TOURIST INFORMATION



ABBREVIATIONS

