

Surname	Centre Number	Candidate Number
Other Names		0



GCSE

4232/02



S15-4232-02

**GEOGRAPHY
(Specification A)
HIGHER TIER
UNIT 2: Options Geography**

P.M. WEDNESDAY, 3 June 2015

1 hour 15 minutes

For Examiner's use only						
	Theme	Max Mark	Mark /20	SPaG	SPaG mark/4	Total /24
Section A	7.	20		4		
	8.	20		4		
	9.	20		4		
Section B	10.	20		4		
	11.	20		4		
	12.	20		4		
					Overall Total	72

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.

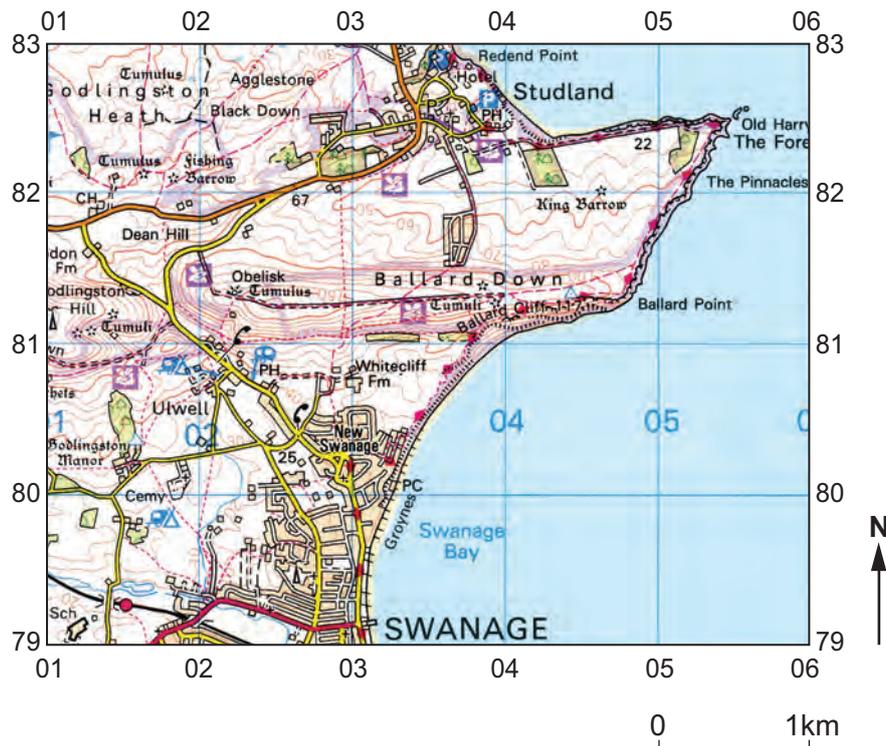
SECTION A - PHYSICAL OPTIONS

Examiner only

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

Theme 7 – Our Changing Coastline

1. (a) Study the OS map of part of the Dorset coastline in southern England.
A full key appears on page 32.



- (i) Describe the relief in grid square 0381.

[2]

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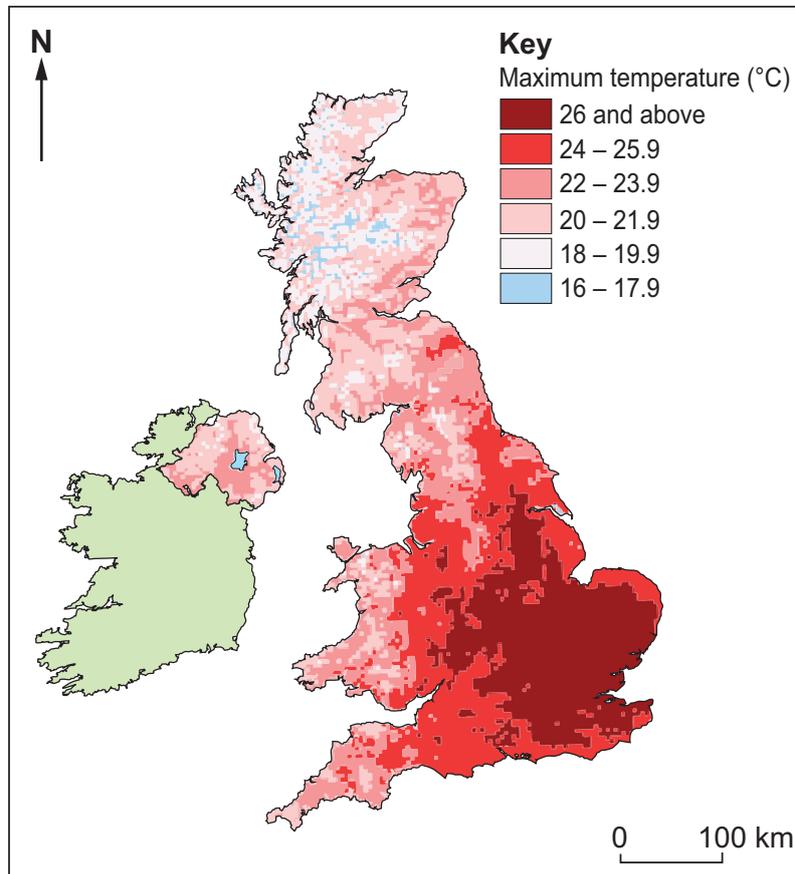
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- (ii) Using evidence from the OS map, and your own knowledge, annotate the sketch below to explain why headlands and bays form along this coastline. [4]



Theme 8 – Weather and Climate

2. (a) Study the map below. It shows the maximum temperatures experienced in the UK in July 2006.



- (i) Describe the pattern shown on the map.

[2]

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- (ii) Using information from the map and your own knowledge, annotate the map below to explain the pattern of July temperatures. [4]

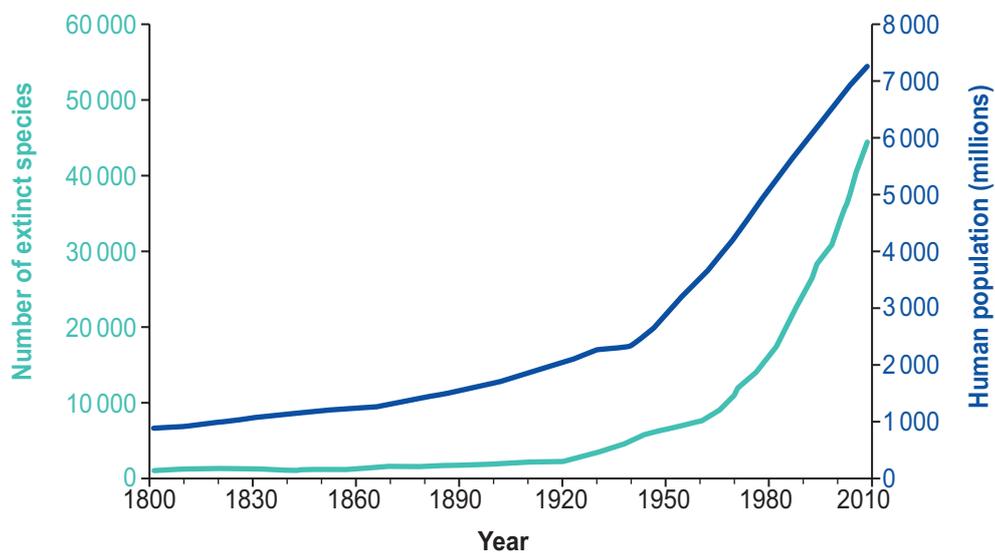
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Theme 9 – Living Things

3. (a) Study the graph which shows the relationship between population growth and the number of species that have become extinct between 1800 and 2010.



- (i) Describe the relationship shown in the graph.

[2]

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- (ii) Study the photograph below which shows an area that has been mined in a tropical rainforest. Annotate the photograph to describe how people can have a negative impact on the environment within this ecosystem. [4]

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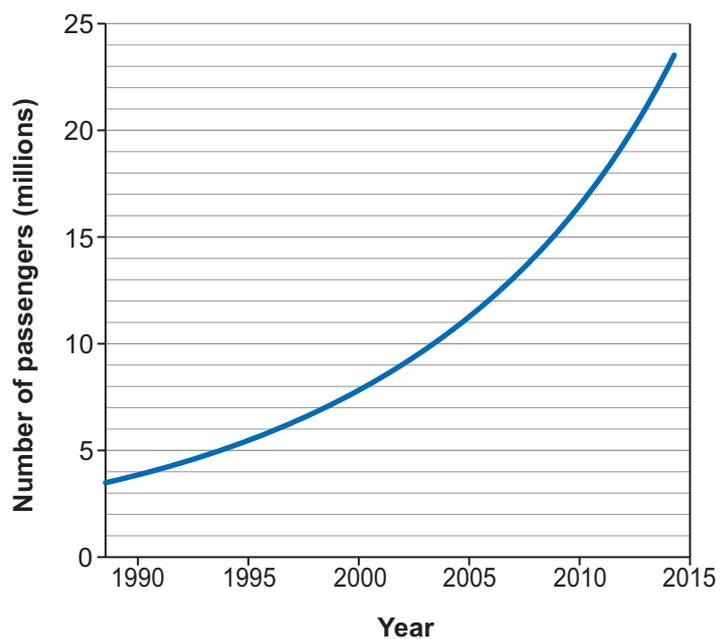
SECTION B – HUMAN OPTIONS

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

Theme 10 – Tourism

4. (a) Study the graph below which shows the number of cruise ship passengers carried worldwide between 1990 and 2015.

The number of cruise ship passengers worldwide



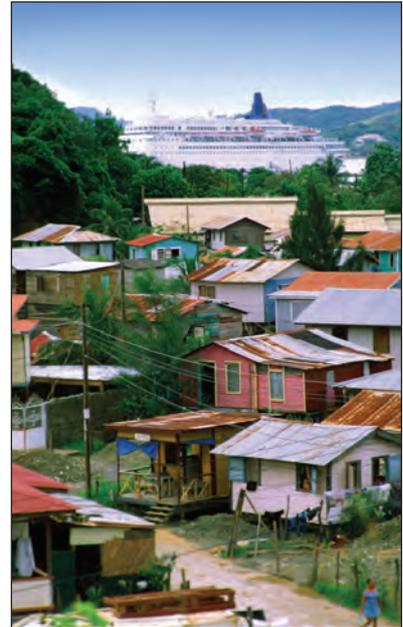
- (i) Describe the trend shown on the graph.

[2]

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- (ii) Study the photographs below which show cruise ships at ports in a Caribbean island. Annotate the photographs to suggest some impacts of cruise holidays in this region. [4]



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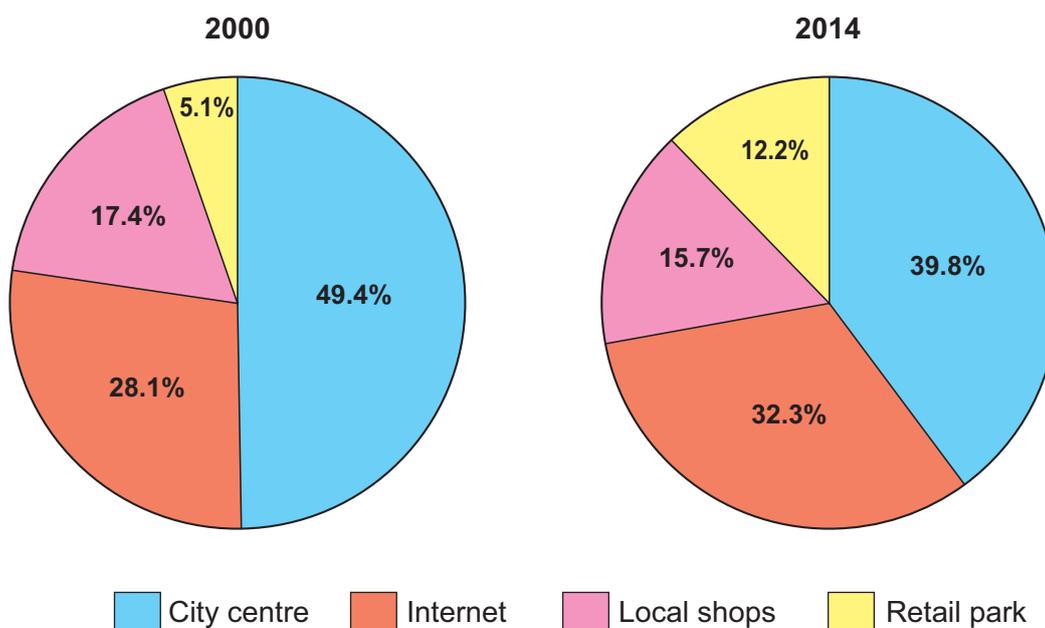
End of Theme 10 question

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Theme 11 – Retail and Urban Change

5. (a) Study the graphs below. They show where retailing occurs in a city and the changes that have taken place.

Percentage of shopping in different parts of the city



- (i) Describe the main changes shown by the graphs. [2]

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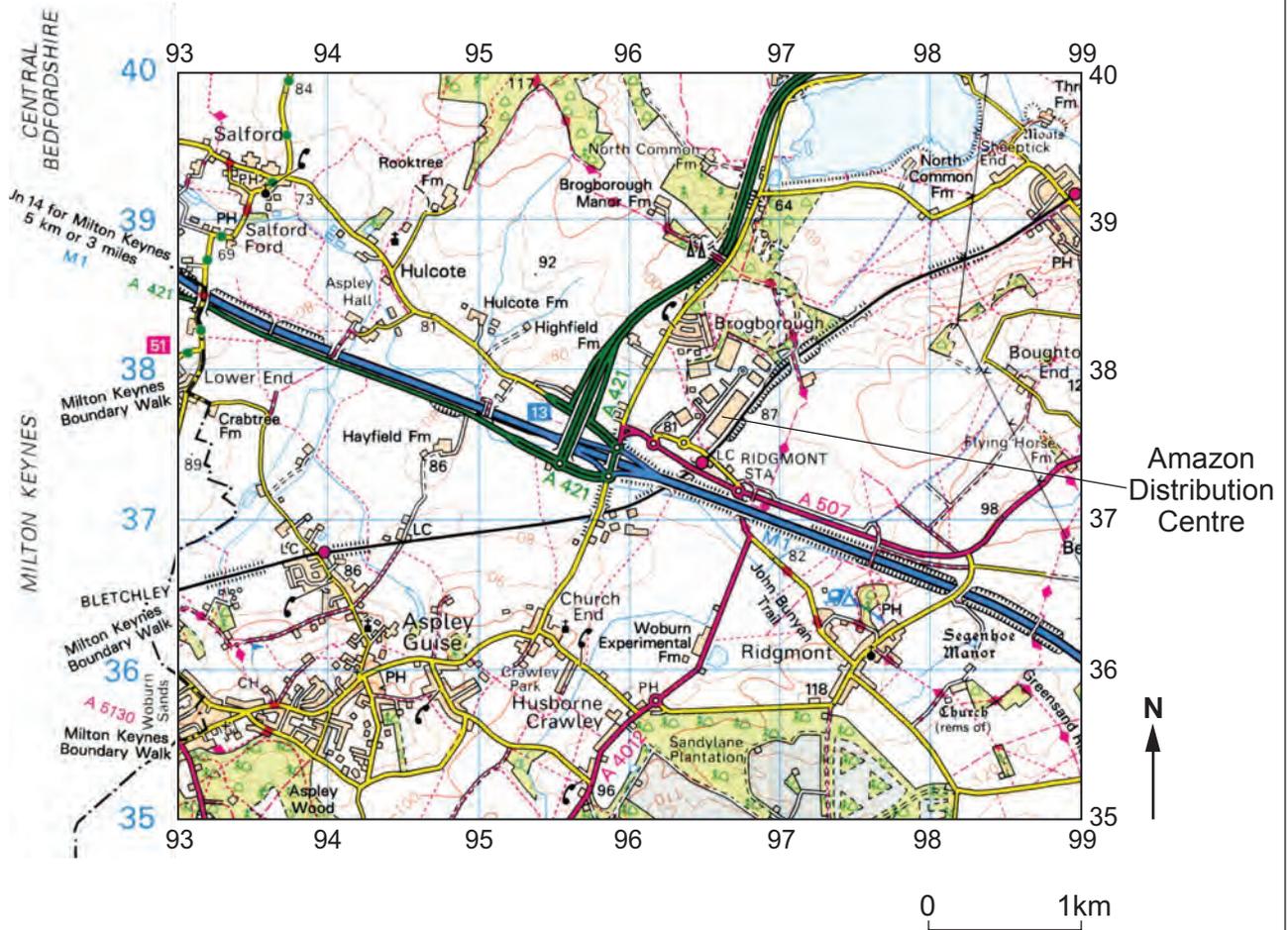
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- (ii) Amazon is a large internet retailer. Look at the map which shows the location of the Amazon Distribution Centre on the outskirts of Milton Keynes in England.

A full key appears on page 32.

Annotate the map to suggest why this site was chosen by Amazon for a Distribution Centre [4]



(b) Study the map and photograph below. They show part of Liverpool city centre which has been regenerated in recent years.

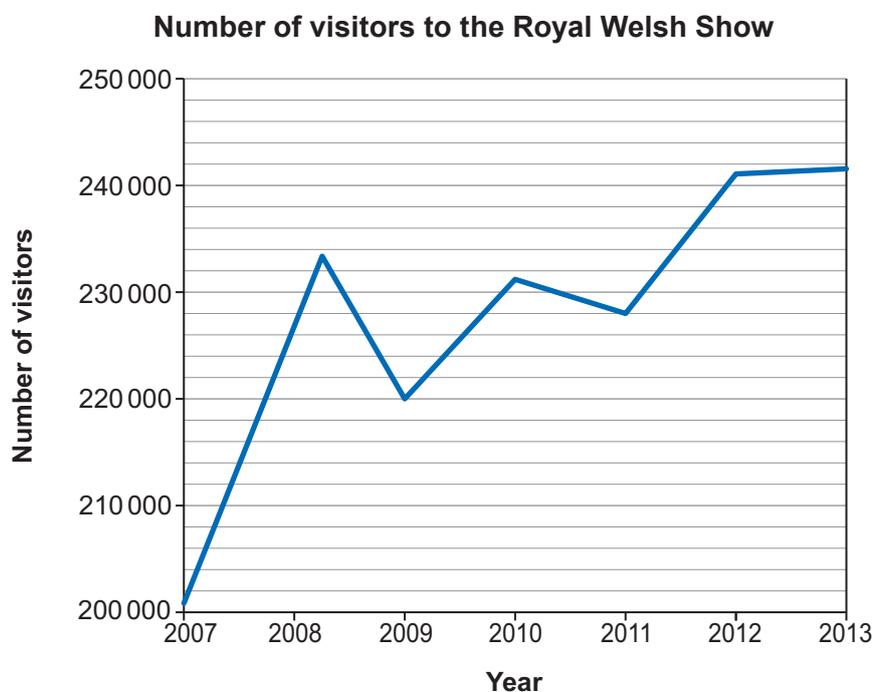


Liverpool One Shopping Centre



Theme 12 – Economic Change and Wales

6. (a) Study the graph below.



- (i) Describe the changes shown by the graph.

[2]

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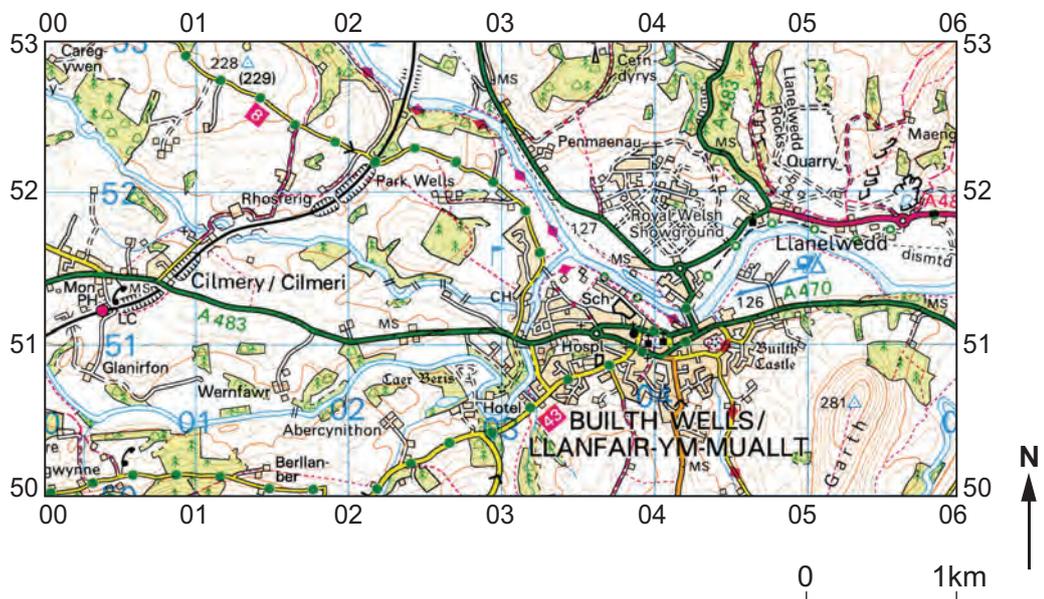
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- (ii) The OS map shows the location of the Royal Welsh Showground in Llanellwedd.

A full key appears on page 32.

Annotate the map to identify **two** advantages of this location as the permanent site for the Show. [4]



(b) Read the information below about investment in renewable energy in Wales.

Royal Welsh Show: Welsh investing millions in renewables

Monday 23 July 2012

Farmers in Wales are investing millions of pounds in income-generating renewable energy schemes.

It is predicted that renewable energy will play an increasingly crucial role in the future of Welsh farming as a secondary income.



Describe the physical factors that are encouraging people in Wales to invest in renewable energy schemes. [6]

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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

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

PUBLIC RIGHTS OF WAY

- Footpath
- Bridleway
- Road used as a public path
- Byway open to all traffic

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

- 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.
- National Trail, European Long Distance Route, Long Distance Route, selected Recreational Routes
- National/Regional Cycle Network
- Surfaced cycle route
- National/Regional Cycle Network number

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

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

- Electricity transmission line (pylons shown at standard spacing)
- Pipe line (arrow indicates direction of flow)
- Buildings
- Public building (selected)
- Bus or coach station
- Place of worship (with tower, with spire, minaret or dome, without such additions)
- Chimney or tower
- Glass structure
- Heliport
- Triangulation pillar
- Mast
- Wind pump / wind generator
- Windmill with or without sails
- Graticule intersection at 5' intervals
- Cutting / embankment
- Quarry
- Spoil heap, refuse tip or dump
- Coniferous wood
- Non-coniferous wood
- Mixed wood
- Orchard / Park or ornamental ground
- Forestry Commission access land
- National Trust-always open
- National Trust-limited access, observe local signs
- National Trust for Scotland

BOUNDARIES

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

ANTIQUITIES

- Site of monument
- Stone monument
- Battlefield (with date)
- Visible earthwork
- VILLA Roman
- Non-Roman

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
- Selected places of tourist interest
- Telephone, public / motoring organisation
- Viewpoint
- Visitor centre
- Walks / Trails
- Youth hostel

ABBREVIATIONS

CG Coastguard	P Post office
CH Clubhouse	PC Public convenience (in rural areas)
MP Milepost	PH Public house
MS Milestone	TH Town Hall, Guildhall or equivalent