

Durham-Sedgefield Boundary Survey Exercise



Background

Following the breakup of the United Kingdom in 2020 the boundary between the newly formed City State of Durham and the Republic of Sedgefield was provisionally defined as following the middle of the River Wear up to the northern limit of the attached 1:12,500 scale map. However, at a recent meeting between the two heads of state, the President of Sedgefield persuaded the Prince Bishop of Durham to transfer a triangular area of territory to the west of the river to Sedgefield. The justification for the transfer was that the area had historically been owned and farmed by the family of the president's wife.

Unfortunately no records remain of the boundaries of the old family estate, and the president was only able to provide a rough definition of the area in question:

1. From Shincliffe Bridge to Pinnock Hill
2. From Pinnock Hill to Buck's Hill
3. From Buck's Hill to Mountjoy Farm
4. From Mountjoy Farm to the River Wear at Maiden Castle

As your country's experts on boundary demarcation, you have been called upon to survey the area in question in preparation for demarcating the line.

The task

Each country has established four sub-commissions, one for each section of the boundary. The opposing sub-commissions on each side have been charged with the task of agreeing a detailed technical description of their section of the boundary, including recommendations for marking the line on the ground.

At the end of the exercise, each pair of sub-commissions will be asked to make a brief (5 minutes maximum) presentation of their recommendations. If any disputes arose during the survey, the presentation should include a description of the nature of these disputes and how they were resolved.

Facts

- ◆ Relations between the two countries are good and there is a strong desire to maintain an open border. The sub-commissions are expected to enter into the exercise in a spirit of cooperation and seek a practical and mutually-beneficial solution. Please treat the landscape as real and do not invent facts to justify your team's position!
- ◆ Land use in the vicinity of the boundary is primarily rural and recreational.
- ◆ The sewage works below Pinnock Hill and the reservoir on Buck's Hill both serve Durham City.
- ◆ The buildings at Houghall Farm and Mountjoy Farm are to remain part of Durham.

Suggested timetable

1400-1530	Reconnaissance of boundary area; identification of preferred boundary line
1530-1630	Meeting of opposite sub-commissions*; discussion and reconciliation of differences
1545-1615	<i>Refreshments available in Computer Sciences classroom</i>
1630-1700	Debrief

* Sub-commissions are responsible for arranging a mutually-convenient meeting place and time.

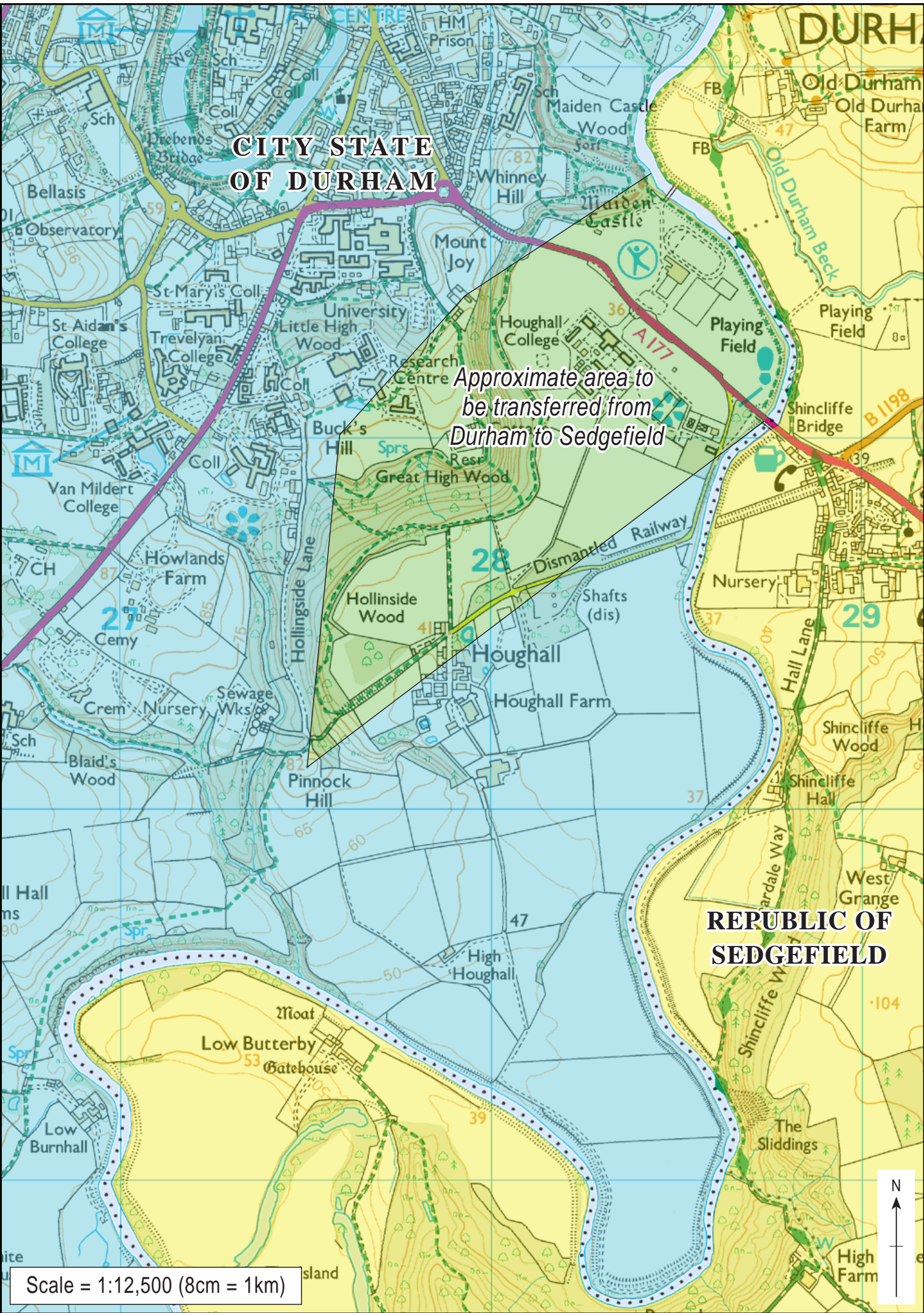
Practical notes

Please stick to roads and footpaths (marked in green on the attached 1:12,500 scale maps) and respect any 'no entry' signs (e.g. at Houghall Farm).

Although boundary turning points should ideally be given in geographical coordinates, grid coordinates are acceptable for turning points at which GPS readings cannot easily be taken. Ordnance Survey grid numbers are marked on the 1:50,000 scale map extract (example: Mountjoy reservoir to ± 100 metres = 279410)

Toilets and a cafeteria are available at the university's Botanic Garden.

If you need assistance during the exercise, please call Liz Buxton on +44 7810 427563. To contact local emergency services (police, fire, ambulance) dial 999 from any phone.



CITY STATE OF DURHAM

DURHAM

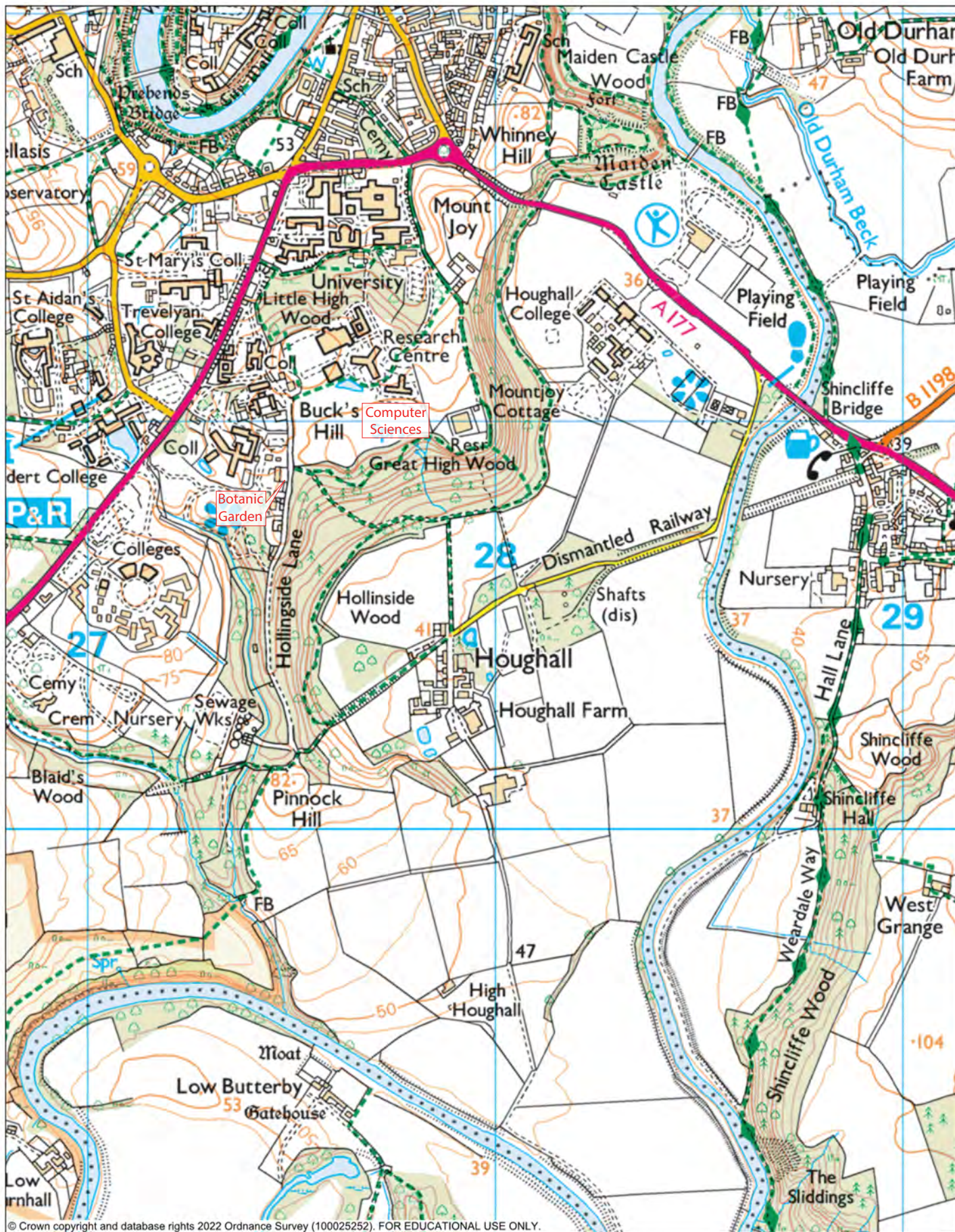
Approximate area to be transferred from Durham to Sedgefield

REPUBLIC OF SEDGEFIELD

Scale = 1:12,500 (8cm = 1km)



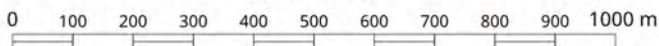
Exercise area map



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Scale 1:12500



Projection: British National Grid
12 September 2022 18:36



Exercise area



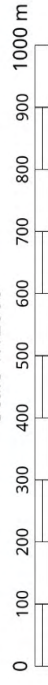
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Digimap[®]

Martin Pratt
Durham University

Scale 1:12000



Projection: British National Grid
12 September 2022 19:03

















Durham overview map

































Roads	
Motorway	
Dual carriageway main road	
Single carriageway main road	
Secondary road	
Narrow road with passing places	
Road under construction	
Minor road over 4m wide	
Minor road under 4m wide	
Other road or track	
Drive or track	
Fenced other road	
Fenced drive or track	
Gradient: steeper than 20%	
Gradient: 14% to 20%	
Service area	
Junction number	
Ferries	
Ferry	
Ferry (passengers only)	
Railways	
Multiple track	
Single track	
Narrow gauge	
Station	
Rapid transit system	
Rapid transit station	
Railway cutting	
Railway tunnel	
Railway embankment	
Road over and under railway	
Level crossing	
Siding	
Paths	
Paths	
Footpath	

Bridleway	
Byway (all traffic)	
Byway (restricted)	
Public access	
Recreational Route	
National Trail	
Scotland's Great Trails	
Alternative Route (England Coast Path only)	
Footpath (permissive)	
Bridleway (permissive)	
Cycle route	
Cycle network (traffic free)	
Cycle network (on road)	
Public access	
Danger area	
National Trust for Scotland, always open (Scotland)	
National Trust for Scotland, limited opening (Scotland)	
Forestry Commission Land (Scotland)	
Woodland Trust Land (Scotland)	
Access land (England)	
Access information point (England)	
Access land in woodland areas (England)	
Coastal margin (England)	
Managed access (England)	
Buildings	
Buildings	
Glasshouse	
Place of worship with tower	
Place of worship with spire or minaret	
Place of worship	
Youth hostel	
Bus or coach station	
Bunkhouse/camping barn/other hostel	
Structures	
Lighthouse	
Disused lighthouse	
Beacon	

Mast	
Windmill	
Wind generator	
Triangulation pillar	
Electricity transmission line	
Landscape and landcover	
Slopes	
Coniferous trees	
Non-coniferous trees	
Coppice	
Scrub	
Orchard	
Bracken, heath or rough grassland	
Marsh, reeds or saltmarsh	
Rocks	
Boulders	
Outcrop	
Scree	
Vertical face or cliff	
Sand	
Gravel pit	
Sand pit	
Other pit or quarry	
Landfill site or spoil heap	
Water	
Sand and shingle	
Mud	
Boundary post	BP
Boundary stone	BS
Cattle grid	CG
Clubhouse	CH
Footbridge	FB
Milepost	MP
Milestone	MS
Monument	Mon
Post office	PO
Police station	Pol Sta

School	Sch
Town hall	TH
Normal tide limit	NTL
Well	◊W
Spring	Spr
Boundaries	
National trail	----
County	-----
Unitary authority or District	-----
Parish
National park	—
Height information	
Contours (5 or 10m vertical interval)	
Spot height (ground survey)	52 ·
Spot height (air survey)	284 ·
Heritage	
Site of antiquity	
Battle site (with dates)	⌘1066
Visible earthwork	★ ■■■■
Roman	VILLA
Non-Roman	Castle
Tourism and leisure	
Parking	
Park and ride	
Park and ride - seasonal	
Information centre	
Information centre - seasonal	
Visitor centre	
Forestry Commission visitor centre	
Public toilet	PC
Public telephone	
Roadside assistance	
Emergency telephone	
Camp site	
Caravan site	

Camp and caravan site	
Recreation or sports centre	
Golf course	
Theme park	
Preserved railway	
Public house	
Craft centre	
Walks and trails	
Cycle trail	
Mountain bike trail	
Cycle hire	
Horse riding	
Viewpoint	
Picnic site	
Country park	
Garden	
Water activities	
Slipway	
Boat trips	
Boat hire	
Nature reserve	
Fishing	
Other tourist feature	
Cathedral or Abbey	
Museum	
Castle or fort	
Building of historic interest	
Heritage centre	
National Trust	
English Heritage	
Historic Scotland	