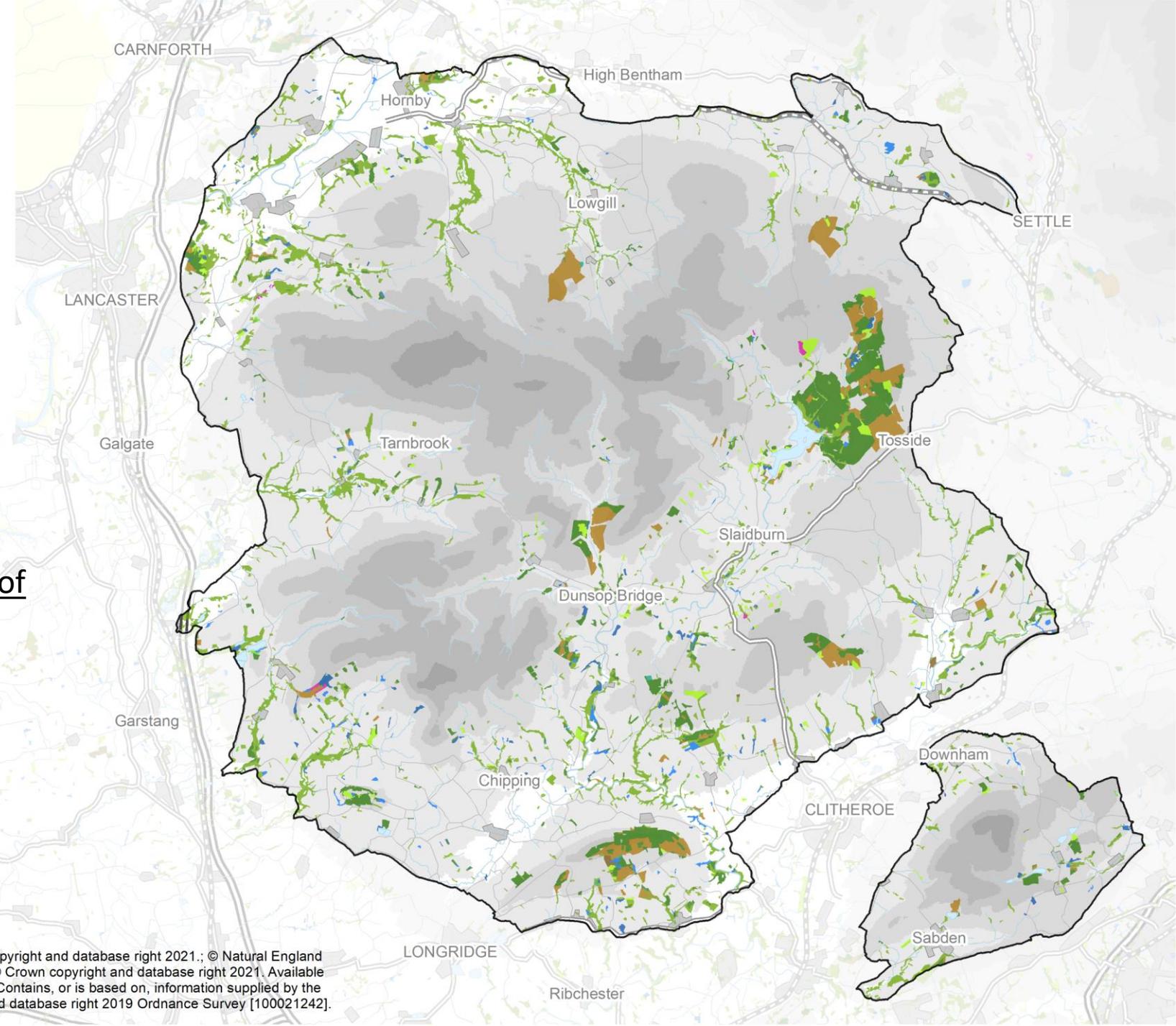


National Forest Inventory: Woodland Type

- Broadleaved
- Conifer
- Coppice
- Coppice with standards
- Felled
- Ground prep
- Low density
- Mixed mainly broadleaved
- Mixed mainly conifer
- Shrub
- Windblow
- Young trees

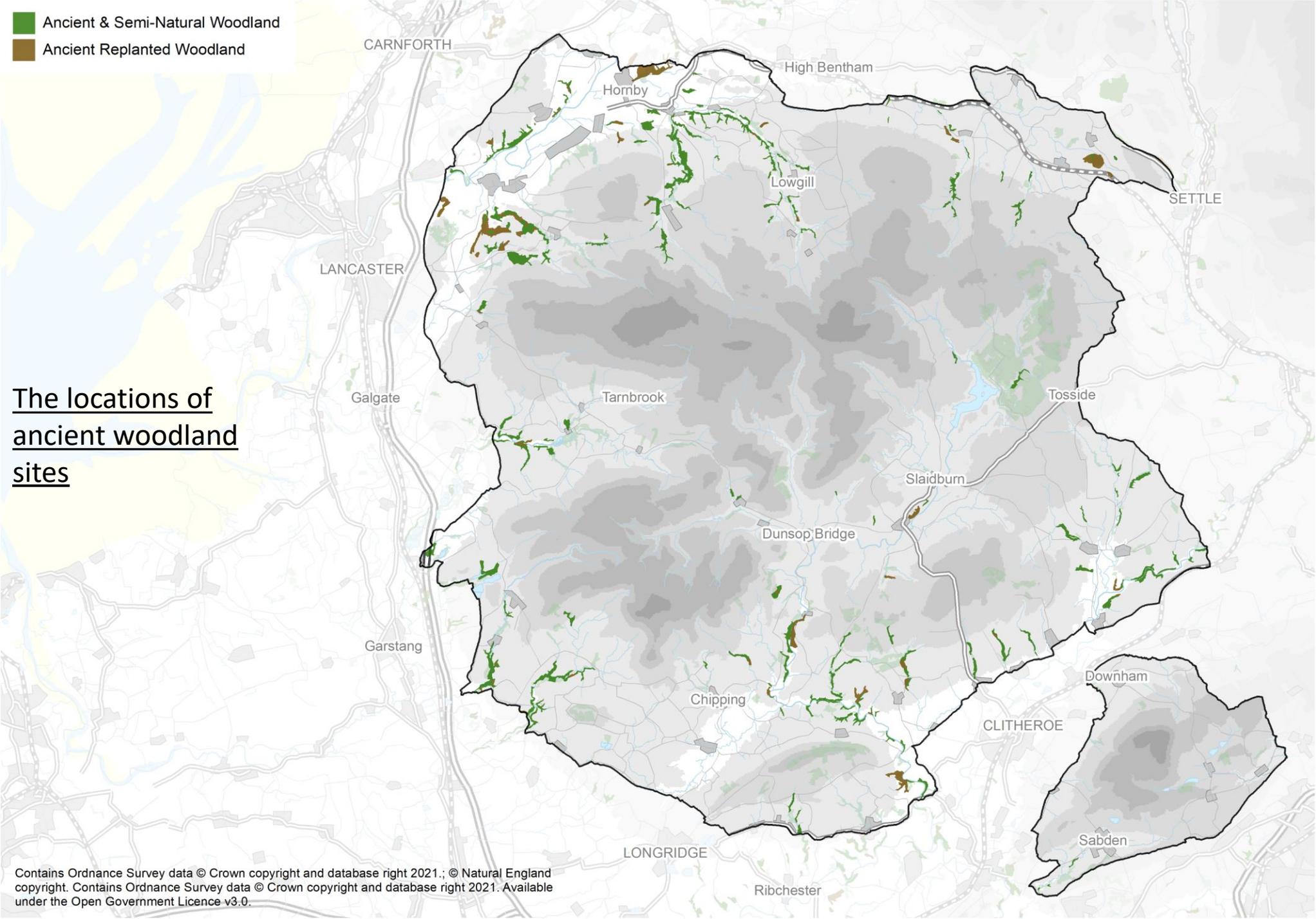
The locations of
existing woodlands of
greater than 0.5
hectares in size.



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 Ancient & Semi-Natural Woodland
 Ancient Replanted Woodland

The locations of ancient woodland sites

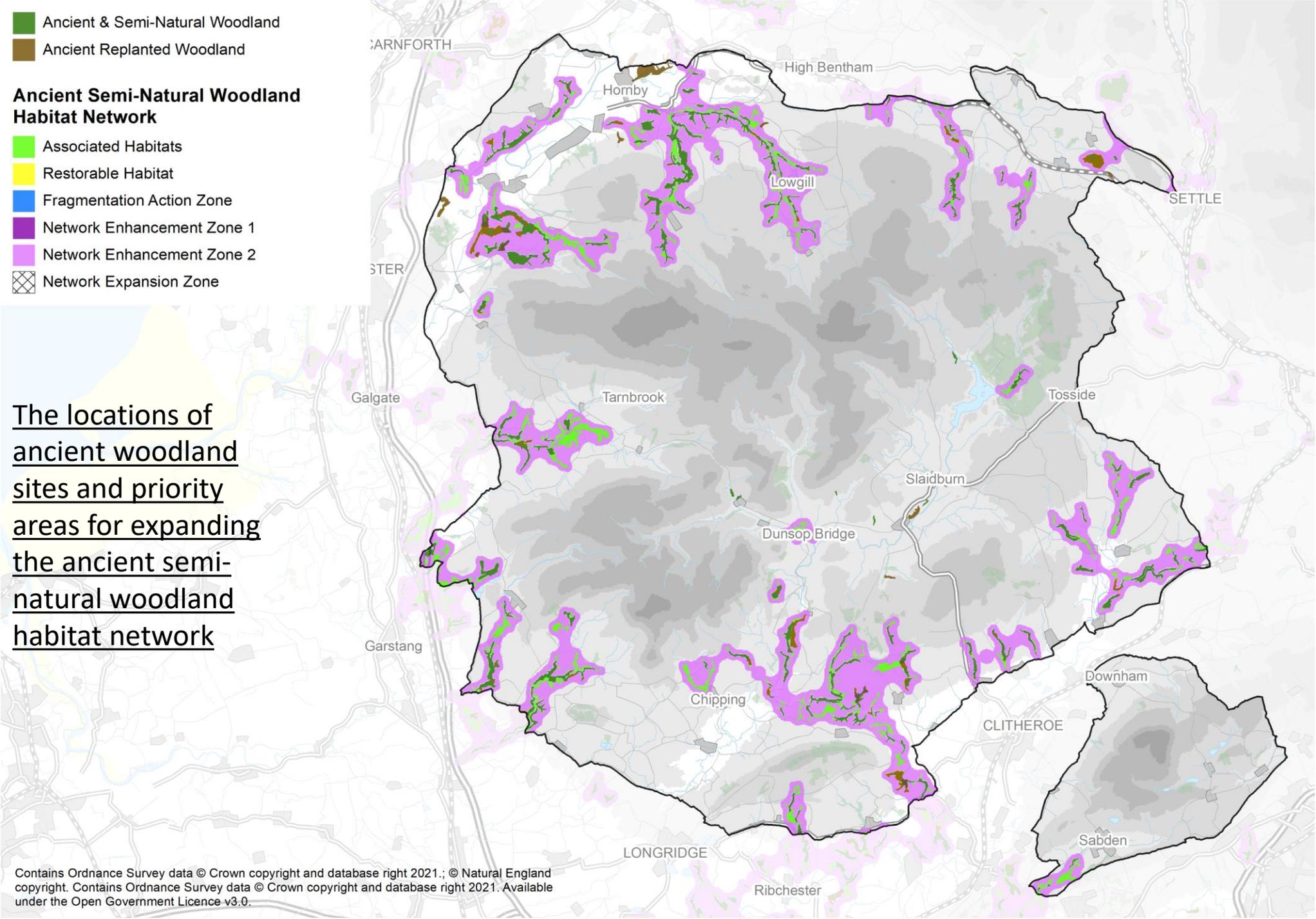


-  Ancient & Semi-Natural Woodland
-  Ancient Replanted Woodland

Ancient Semi-Natural Woodland Habitat Network

-  Associated Habitats
-  Restorable Habitat
-  Fragmentation Action Zone
-  Network Enhancement Zone 1
-  Network Enhancement Zone 2
-  Network Expansion Zone

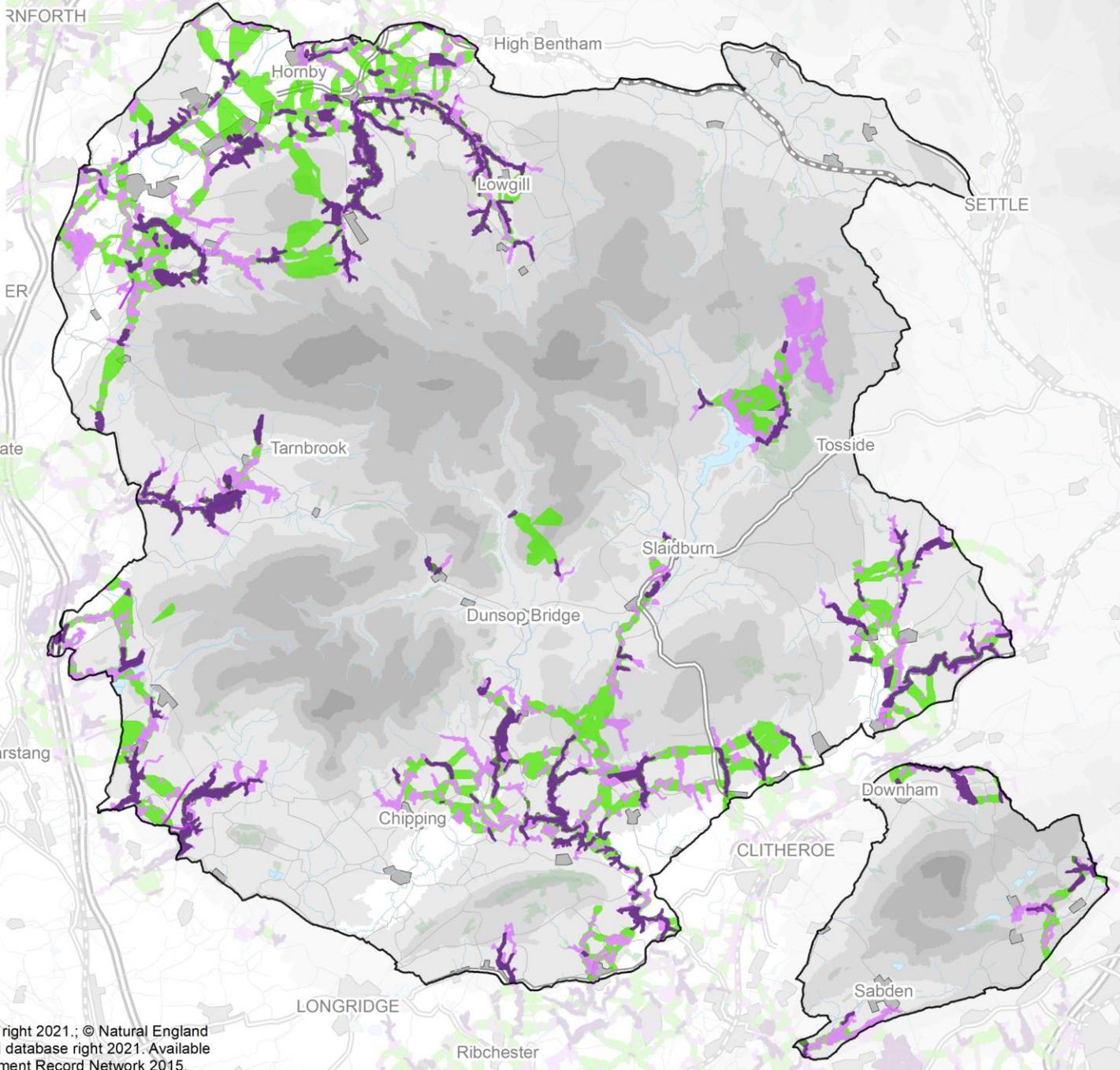
The locations of ancient woodland sites and priority areas for expanding the ancient semi-natural woodland habitat network



Opportunities to connect existing woodland habitats

- Existing core woodland area
- Existing stepping stone woodland
- Existing stepping stone habitat associated with woodland
- Opportunity to connect habitats through woodland creation: 0 to 250 m corridor
- Opportunity to connect habitats through woodland creation: 250 m to 3 km corridor
- Core woodland area isolated by >3 km

Locations where the creation of woodlands could help to link up existing woodlands

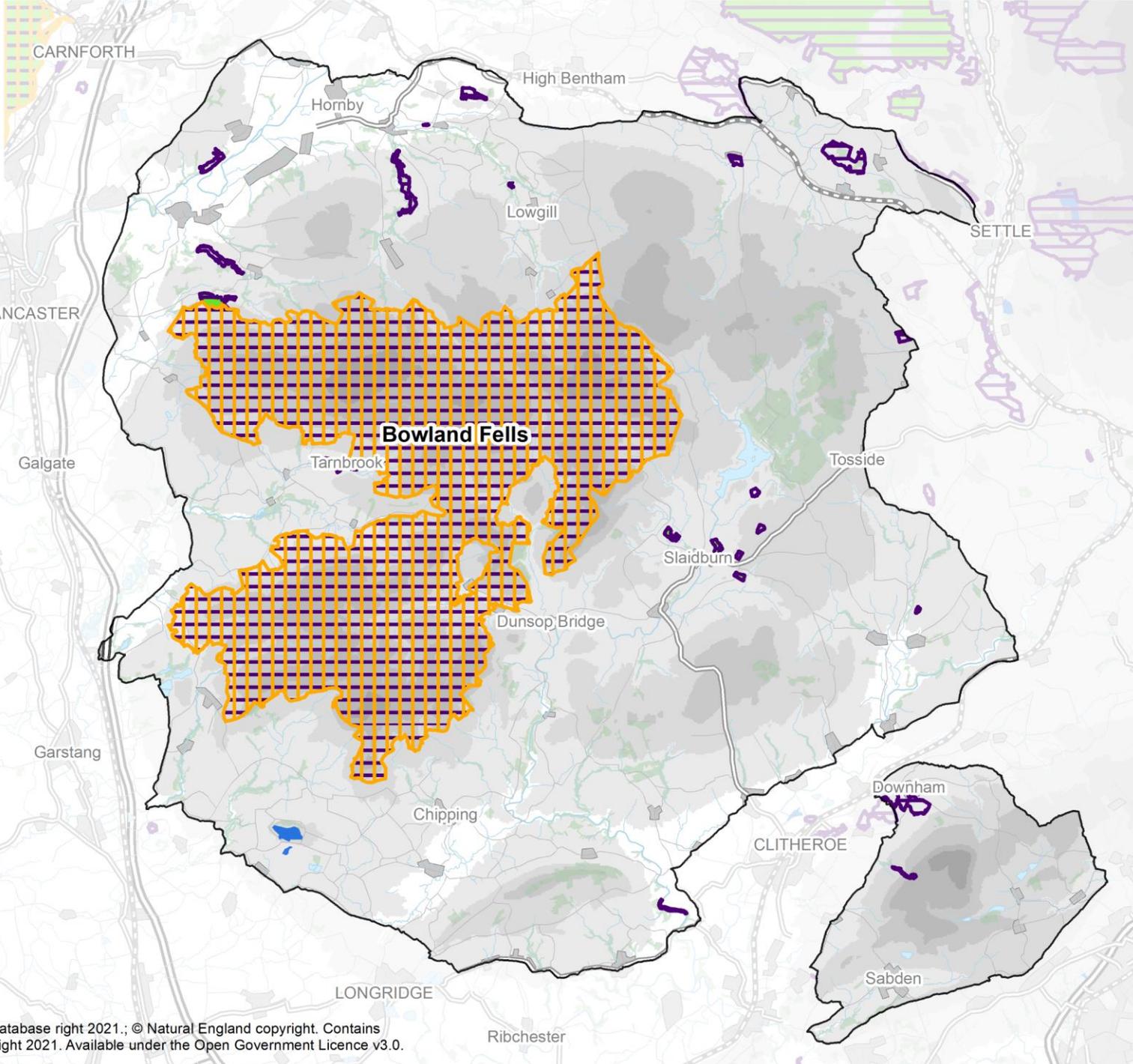


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Statutory Designations

-  Special Protection Areas
-  Sites of Special Scientific Interest (SSSIs)
-  Special Areas of Conservation
-  Local Nature Reserves

The locations of habitats that are of national or international importance (statutory designations)

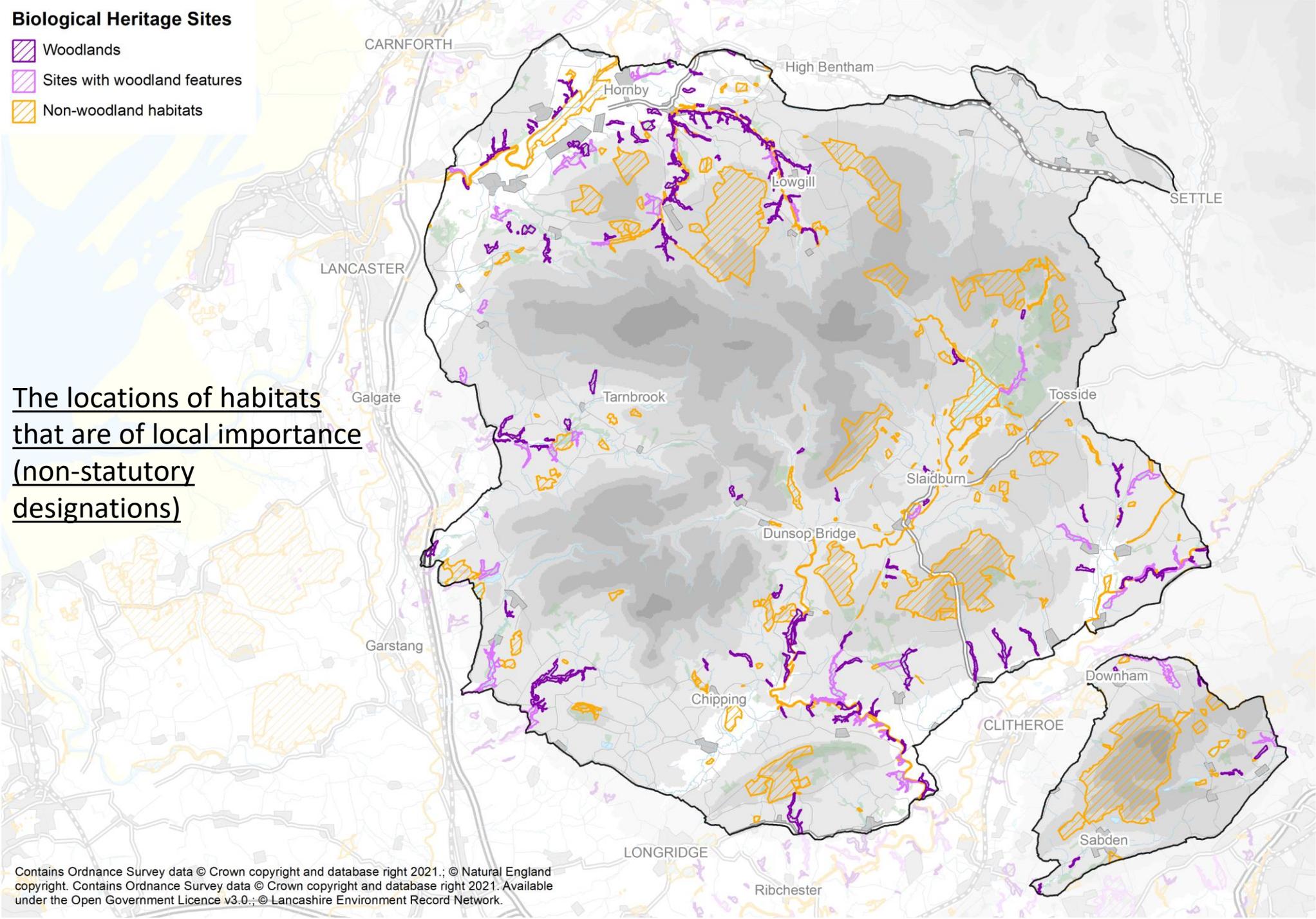


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Biological Heritage Sites

-  Woodlands
-  Sites with woodland features
-  Non-woodland habitats

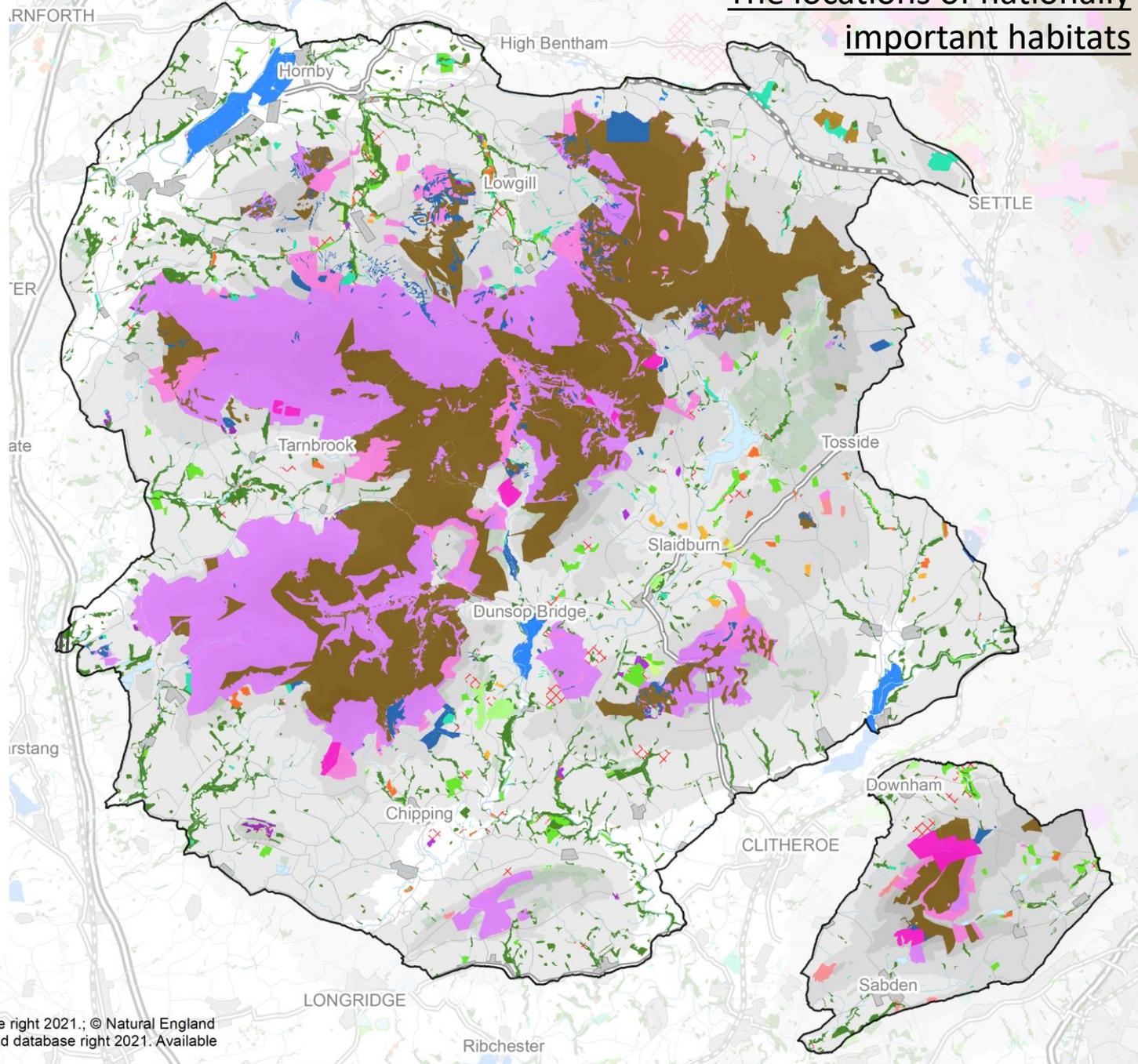
The locations of habitats
that are of local importance
(non-statutory
designations)



Priority Habitat Inventory: Main Habitat

- Blanket bog
- Calaminarian grassland
- Coastal and floodplain grazing marsh
- Coastal saltmarsh
- Coastal sand dunes
- Coastal vegetated shingle
- Deciduous woodland
- Fragmented heath
- Good quality semi-improved grassland
- Grass moorland
- Limestone pavement
- Lowland calcareous grassland
- Lowland dry acid grassland
- Lowland fens
- Lowland heathland
- Lowland meadows
- Lowland raised bog
- Maritime cliff and slope
- Mountain heaths and willow scrub
- Mudflats
- No main habitat but additional habitats present
- Purple moor grass and rush pastures
- Reedbeds
- Saline lagoons
- Traditional orchard
- Upland calcareous grassland
- Upland flushes, fens and swamps
- Upland hay meadow
- Upland heathland

The locations of nationally important habitats



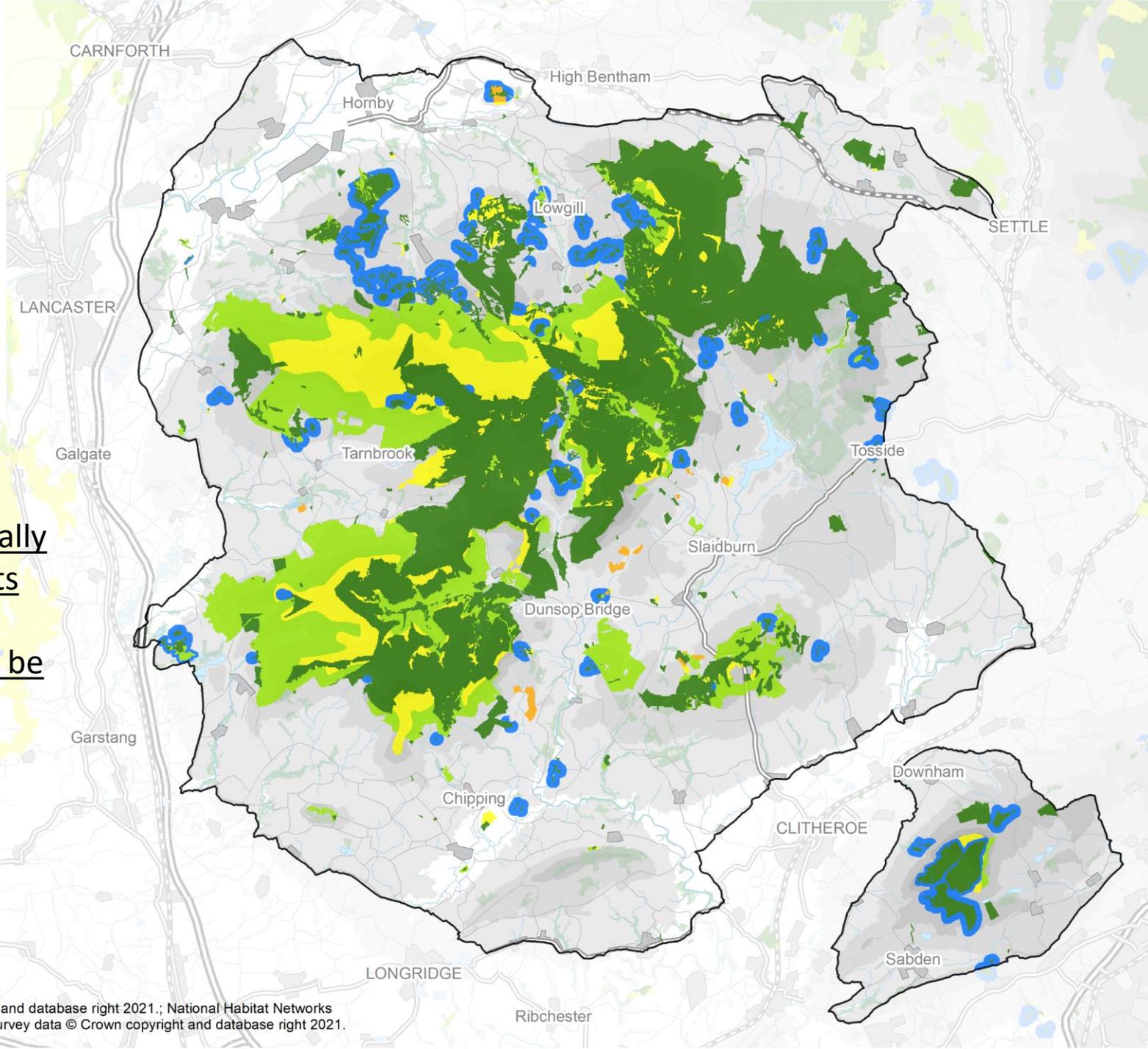
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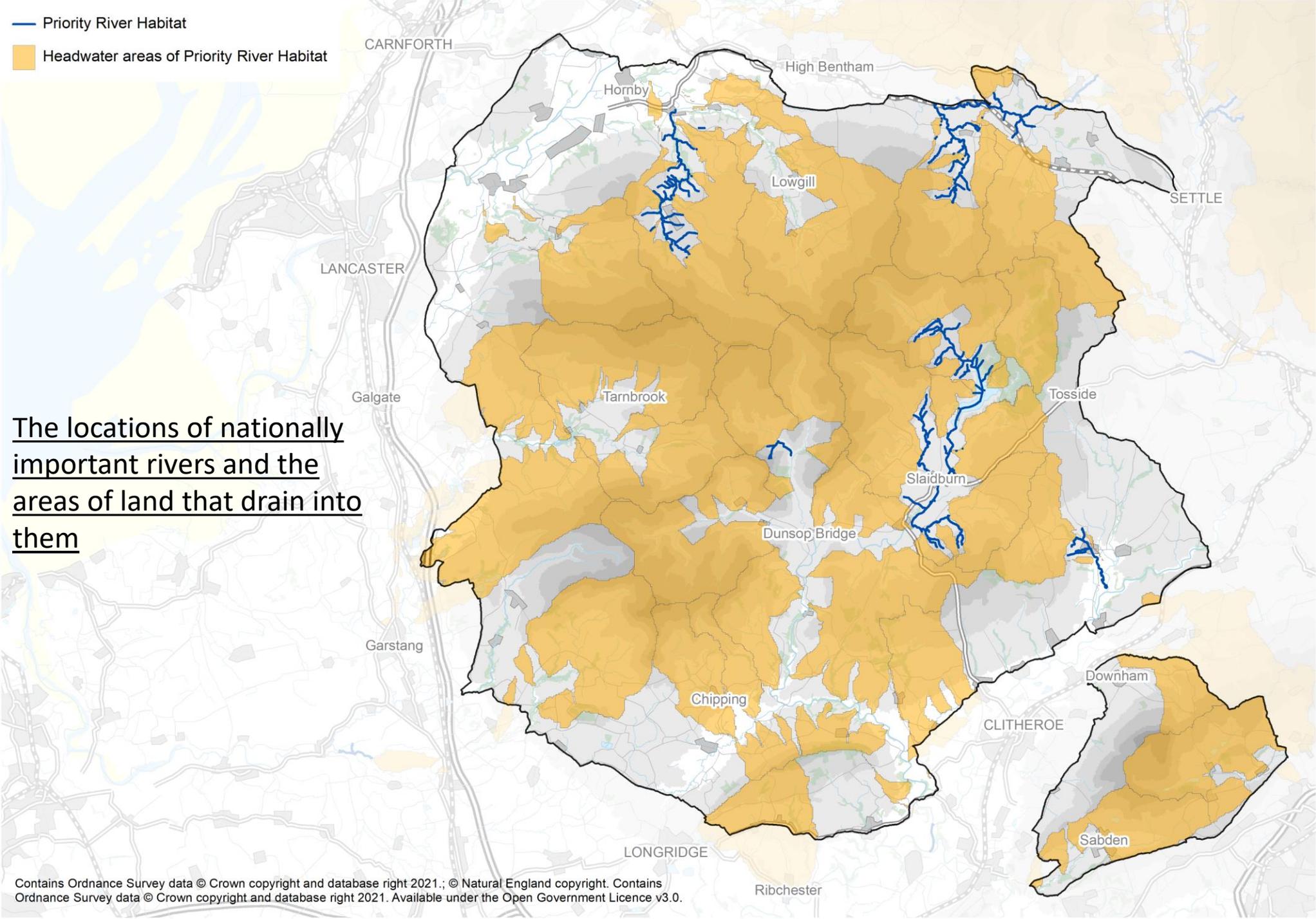
Priority habitats* whose hydrology could be impacted by woodland creation

- Primary Habitat
- Associated Habitats
- Restorable Habitat
- Habitat Restoration-Creation
- Fragmentation Action Zone

* 'Wet' habitats:
Blanket bog
Lowland fen
Lowland raised bog
Purple moor grass & rush pasture
Reedbeds
Upland fens, flushes & swamps

The locations of nationally important 'wet' habitats and areas where their habitat networks could be expanded





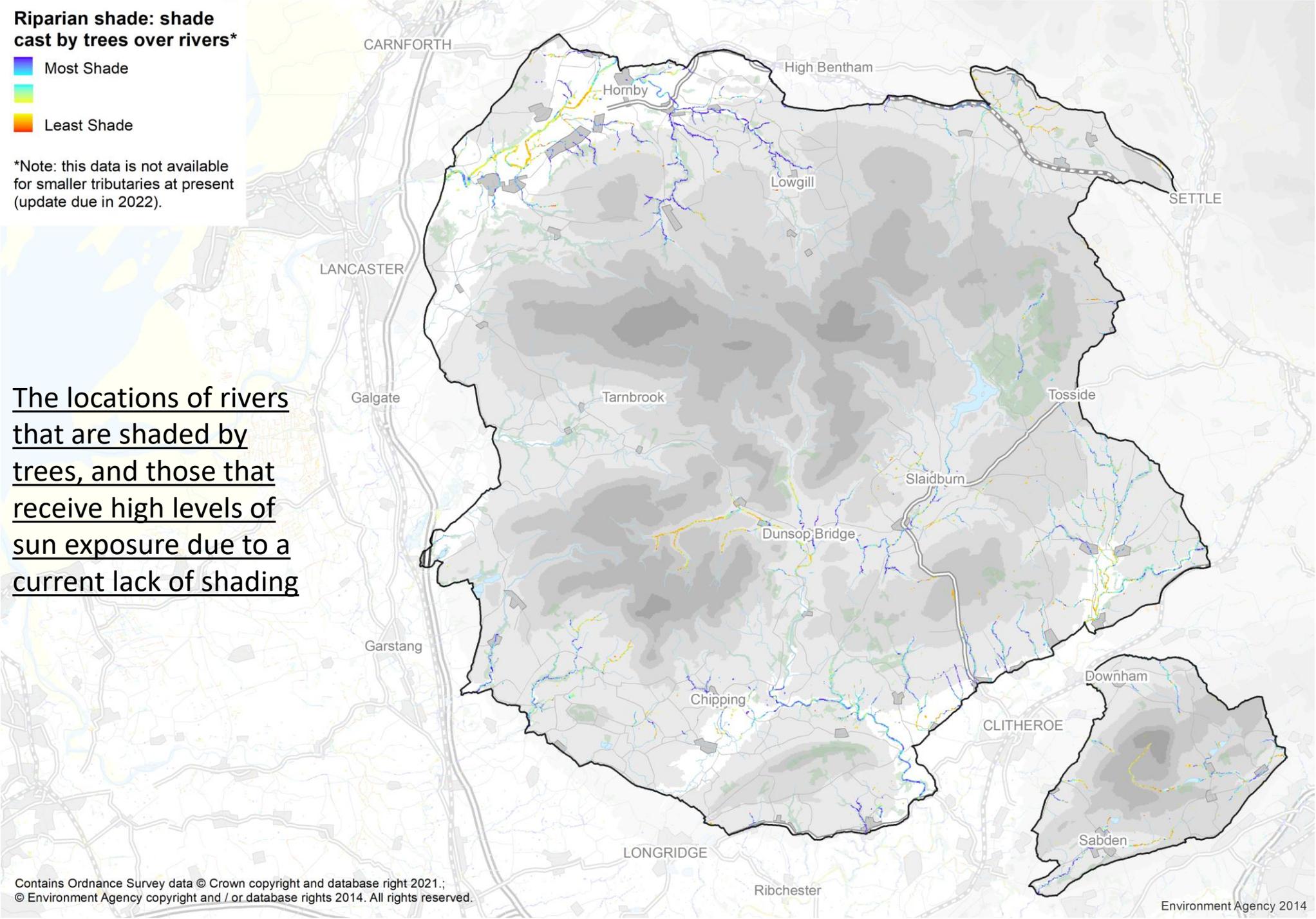
The locations of nationally important rivers and the areas of land that drain into them

Riparian shade: shade cast by trees over rivers*

- Most Shade
- Least Shade

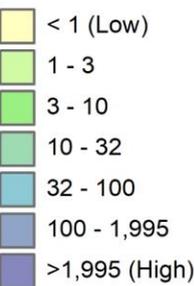
*Note: this data is not available for smaller tributaries at present (update due in 2022).

The locations of rivers that are shaded by trees, and those that receive high levels of sun exposure due to a current lack of shading

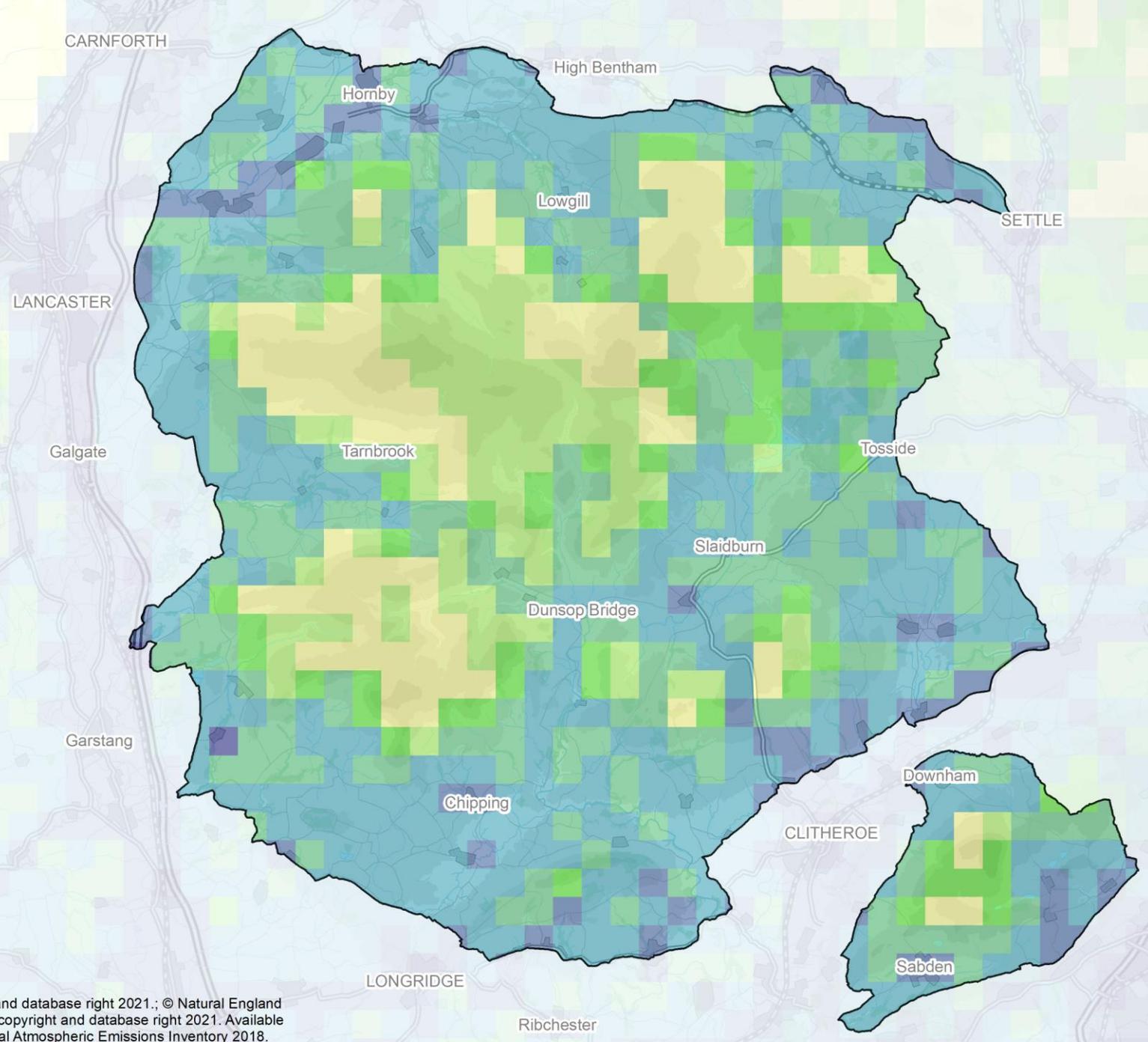


Emissions: Carbon Dioxide as Carbon

Units t/1x1km



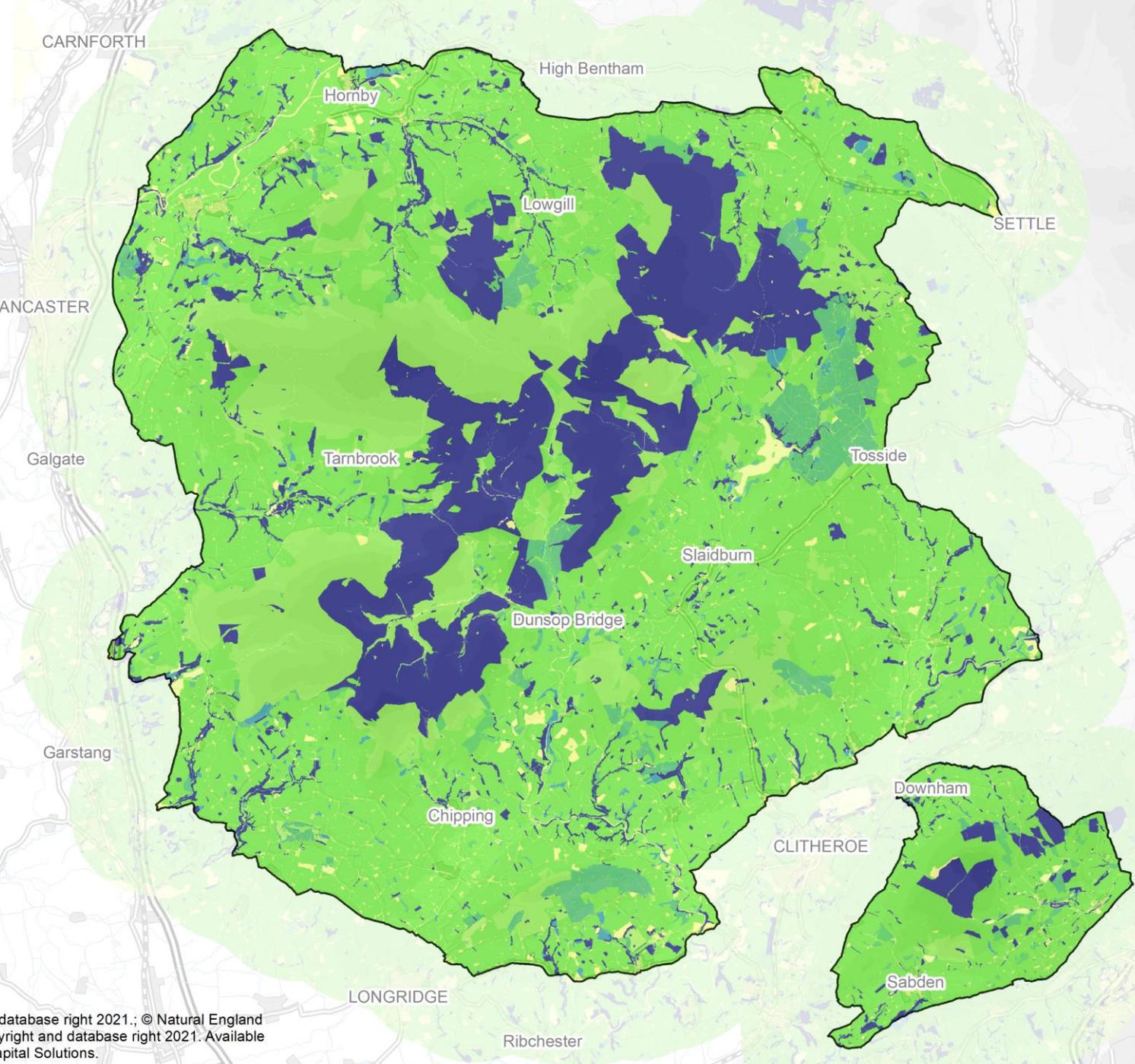
The distribution of carbon emissions (modelled predictions)



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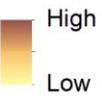
Carbon storage: Tonnes of carbon equivalent / hectare / year (tco2e/ha/yr)
5.8315 (High)
0 (Low)

The amount of carbon stored within the environment (modelled predictions)

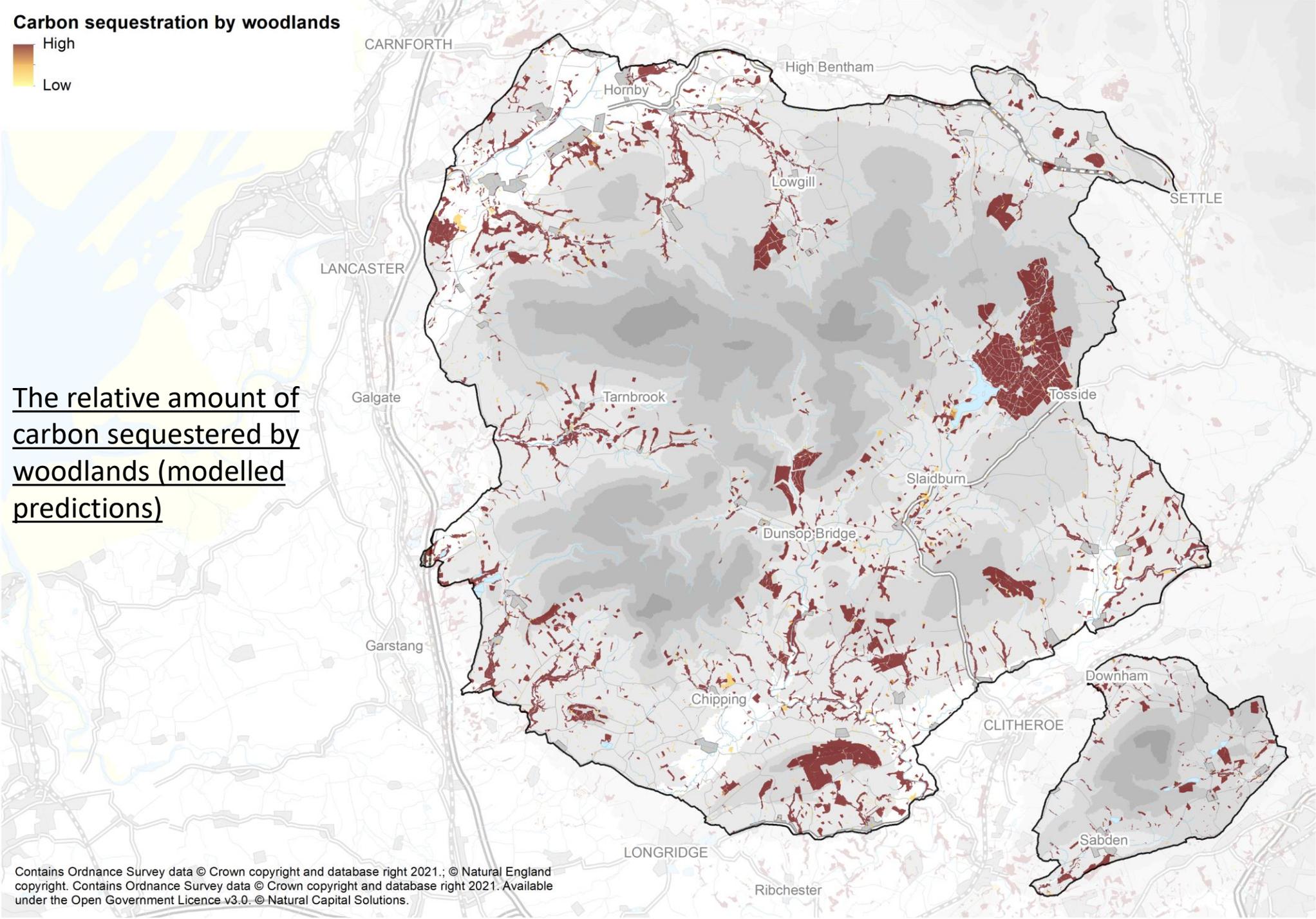


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Carbon sequestration by woodlands



The relative amount of carbon sequestered by woodlands (modelled predictions)

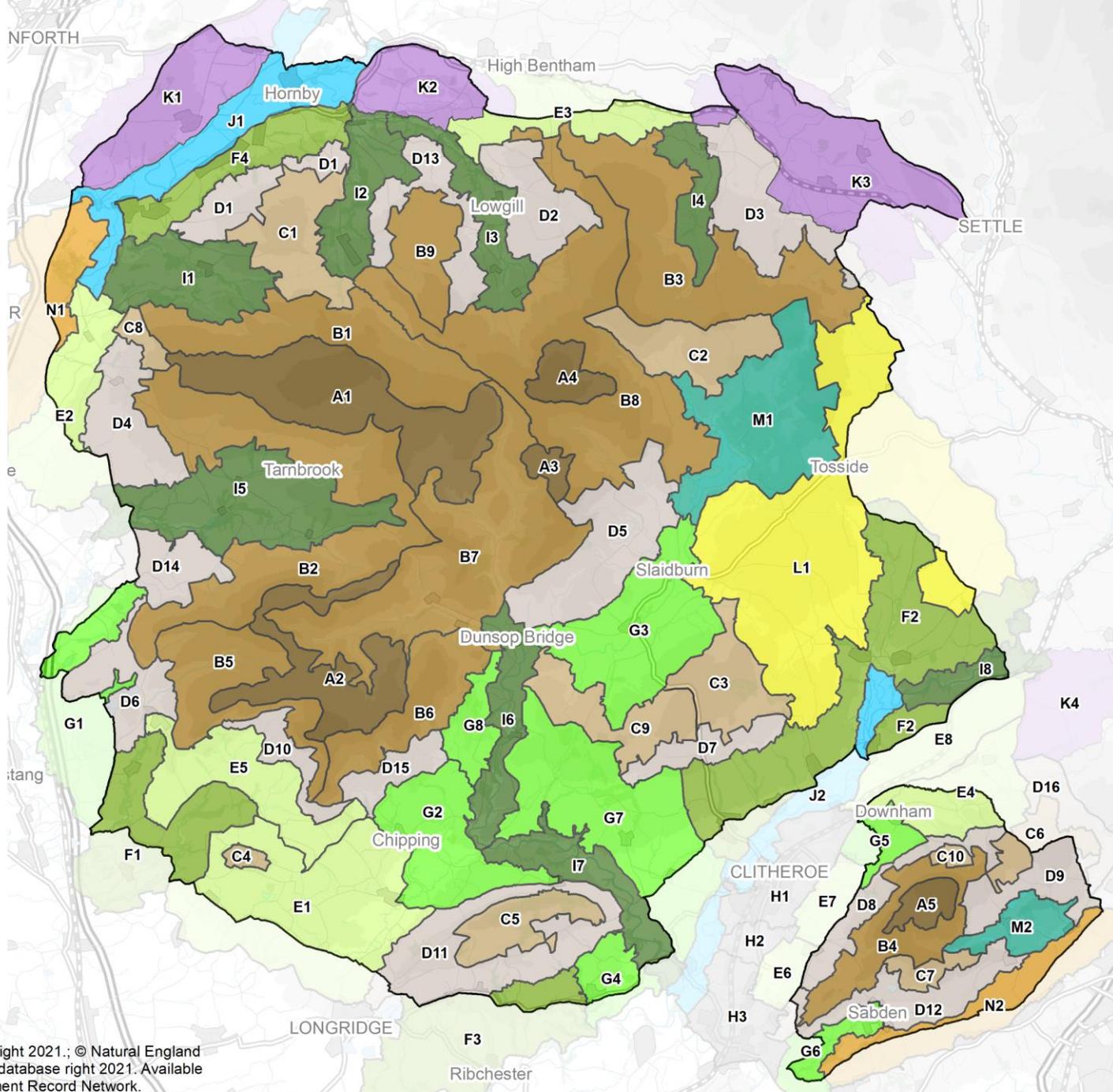


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Landscape Character Areas

- Moorland Plateaux
- Unenclosed Moorland Hills
- Enclosed Moorland Hills
- Moorland Fringe
- Undulating Lowland Farmland
- Undulating Lowland Farmland with Wooded Brooks
- Undulating Lowland Farmland with Parkland
- Undulating Lowland Farmland Settlement
- Industry
- Rolling Upland Farmland
- Farmed Ridges
- Drumlin Field
- Wooded Rural Valleys
- Valley Floodplain
- Forestry and Reservoir

- | | | |
|--|-------------------------------------|--------------------------------|
| A1, Ward's Stone | D11, Longridge | G3, Upper Hodder |
| A2, Brown Berry Plain and Holdron Moss | D12, Upper Sabden Valley | G4, Hurst Green |
| A3, Baxton Fell | D13, Park House | G5, Downham |
| A4, White Hill | D14, | G6, Sabden |
| A5, Pendle Hill | D15, Wolk-Burns Slack | G7, Brownsholme |
| B1, Mallowdale | D16, Sunny Bank to Middop | G8, Dinkling Green - New Laund |
| B2, | D2, Tatham | H1, Clitheroe and Chatburn |
| B3, Burn Moor Fell | D3, Kettlebeck | H2, Higher and Lower Standen |
| B4, Pendle Hill | D4, Hare | H3, Barrow and Whalley |
| B5, Bleasdale | D5, Beatrix to Collyholme | I1, Little Dale |
| B6, Wolf Fell to Mellor Knoll | D6, Nicky Nook | I2, Roeburndale |
| B7, Langden | D7, Moorcock | I3, Hindburndale |
| B8, Croasdale to Lythe | D8, Pendleton | I4, Keasden |
| B9, Goodber Common | D9, Wheathead | I5, Over Wyresdale |
| C1, Calton Moor | E1, Whitechapel | I6, Upper Hodder |
| C2, Downham | E2, Quernmore | I7, Lower Hodder |
| C3, Crutchenber | E3, Forest of Mewith | K1, Gressingham |
| C4, Easington | E4, Rimington | K2, Lower Tatham |
| C5, Beacon Fell | E5, Bleasdale | K3, Lawkland |
| C6, Longridge Fell | E6, Pendleton | K4, Coronation |
| C7, Lingbobs and Stainscombe | E7, Worston | L1, Harrop Fold |
| C8, Birk Bank | E8, Dudland and Gisburn | M1, Gisburn |
| C9, Newton and Birket | F1, Calder Vale and Brock Row | M2, Barley |
| D1, Caton | F2, Bolton by Bowland to Waddington | N1, Quernmore |
| D1, Caton Moor | F3, New Row | N2, The Heights |
| D10, Bleasdale and Oakenclough | F4, Caton | |
| | G1, Wyresdale | |
| | G2, Little Bowland | |



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Soil type (general overview)

- | | |
|--|--|
|  Blanket bog peat soils |  Naturally wet very acid sandy and loamy soils |
|  Fen peat soils |  Raised bog peat soils |
|  Freely draining acid loamy soils over rock |  Restored soils mostly from quarry and opencast spoil |
|  Freely draining floodplain soils |  Saltmarsh soils |
|  Freely draining lime-rich loamy soils |  Sand dune soils |
|  Freely draining sandy Breckland soils |  Shallow lime-rich soils over chalk or limestone |
|  Freely draining slightly acid but base-rich soils |  Shallow very acid peaty soils over rock |
|  Freely draining slightly acid loamy soils |  Slightly acid loamy and clayey soils with impeded drainage |
|  Freely draining slightly acid sandy soils |  Slowly permeable seasonally wet acid loamy and clayey soils |
|  Freely draining very acid sandy and loamy soils |  Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils |
|  Lime-rich loamy and clayey soils with impeded drainage |  Slowly permeable wet very acid upland soils with a peaty surface |
|  Loamy and clayey floodplain soils with naturally high groundwater |  Very acid loamy upland soils with a wet peaty surface |
|  Loamy and clayey soils of coastal flats with naturally high groundwater |  sea |
|  Loamy and sandy soils with naturally high groundwater and a peaty surface |  unclassified |
|  Loamy soils with naturally high groundwater |  water |

