

# Provisional Woodland Statistics 2024

Release date:

20 June 2024

Coverage:

United Kingdom

Geographical breakdown:

Country

Issued by: Forest Research  
Northern Research Station, Roslin, Scotland, EH25 9SY

Contact: Francisco Gonzalez, 0300 067 5238  
[statistics@forestresearch.gov.uk](mailto:statistics@forestresearch.gov.uk)

Statistician: Dan Braby

Website: [www.forestresearch.gov.uk/statistics/](http://www.forestresearch.gov.uk/statistics/)

The research agency of the  
Forestry Commission



Forest Research is the research agency of the Forestry Commission and is the leading UK organisation engaged in forestry and tree related research.

The agency aims to support and enhance forestry and its role in sustainable development by providing innovative, high quality scientific research, data, technical support and consultancy services.

# Table of Contents

Table of Contents .....	3
Accredited Official Statistics .....	4
Introduction.....	5
Key findings.....	6
Area of woodland.....	7
Area of certified woodland.....	12
New planting.....	17
Publicly funded restocking .....	21
Woodland Carbon Code.....	26
Data sources and methodology .....	32
Annex.....	37

## Accredited Official Statistics

Accredited Official Statistics are called National Statistics in the Statistics and Registration Service Act 2007. An explanation can be found on the [Office for Statistics Regulation website](#).

Our statistical practice is regulated by the Office for Statistics Regulation (OSR). OSR sets the standards of trustworthiness, quality and value in the Code of Practice for Statistics that all producers of official statistics should adhere to.

They comply with the standards of trustworthiness, quality and value in the [Code of Practice for Statistics](#) and should be labelled 'accredited official statistics'.

You are welcome to contact us directly with any comments about how we meet these standards by emailing us at [statistics@forestresearch.gov.uk](mailto:statistics@forestresearch.gov.uk). Alternatively, you can contact OSR by emailing [regulation@statistics.gov.uk](mailto:regulation@statistics.gov.uk) or via the OSR website.

Since the latest review in 2012 by the Office for Statistics Regulation, we have continued to comply with the Code of Practice for Statistics, and have made the following improvements:

- Introducing a new quality assurance of administrative data report to provide further details on the data sources used in this release. This will be published in July 2024.
- Including last update/review dates in supporting documents to provide reassurance to users that documents remain relevant.
- Expanding the release to include Woodland Carbon Code statistics and renaming the release to better reflect its content.
- Expanding the Annex to provide more detailed information on the data used in the release.

## Introduction

This release contains provisional statistics for the year to March 2024 on:

- UK woodland area;
- certified woodland area;
- areas of new planting and publicly funded restocking; and
- projects registered under the Woodland Carbon Code<sup>1</sup>.

These provisional statistics will be superseded on 26 September 2024 with the publication of final and more detailed results in [Forestry Statistics 2024](#).

Estimates for England, Wales, Scotland and Northern Ireland are included in addition to UK totals. Figures at 31 March 2024 and for the period 2023/24 are published for the first time in this release. Some figures for earlier years have been revised from those previously released. Further details can be found in our [Revisions policy](#) and in the Revisions section of the Annex.

Please refer to the Annex for a glossary of terms used in this release.

---

<sup>1</sup>The Woodland Carbon Code is a voluntary standard, launched in July 2011, for woodland creation projects that make claims about the carbon they sequester (take out of the atmosphere).

## Key findings

- The area of woodland in the UK at 31 March 2024 is estimated to be 3.28 million hectares. This represents 13% of the total land area in the UK, 19% in Scotland, 15% in Wales, 10% in England, and 9% in Northern Ireland.
- Of the total UK woodland area, 0.86 million hectares is owned or managed by Forestry England, Forestry and Land Scotland, Natural Resources Wales or the Forest Service (in Northern Ireland).
- The total certified woodland area in the UK at 31 March 2024 is 1.44 million hectares, including all Forestry England/Forestry and Land Scotland/Welsh Government Woodland Estate/Forest Service woodland. Overall, 44% of the UK woodland area is certified.
- Around 21 thousand hectares of newly created woodland were reported in the UK in 2023/24.
- Around 16 thousand hectares of publicly funded woodland restocking were reported in the UK in 2023/24.
- Woodland Carbon Code projects in the UK that were validated (including those that were also verified) at 31 March 2024 were predicted to sequester a total of 11.3 million tonnes of carbon dioxide over their lifetime of up to 100 years<sup>2</sup>. This represents 9.6 million tonnes in Scotland, 1.4 million tonnes in England, 381 thousand tonnes in Wales and 38 thousand tonnes in Northern Ireland.

---

<sup>2</sup>Figures for carbon sequestration include the total projected sequestration of the projects over their lifetime of up to 100 years and include the amount claimable by a project plus the amount allocated to a shared "buffer" in case of unanticipated losses.

## Area of woodland

Woodland is defined in UK forestry statistics as land under stands of trees with a minimum area of 0.5 hectares (0.1 hectares in Northern Ireland), minimum width of 20 metres and a canopy cover of at least 20%, or having the potential to achieve this. The definition relates to land use, rather than land cover, so integral open space and felled areas that are awaiting restocking are included as woodland. Further information, including how this UK definition compares with the international definition of woodland, is provided in the Annex.

Statistics on woodland area are used to inform government policy and resource allocation, to provide context to UK forestry and land management issues and are reported to international organisations. They are also used in the compilation of natural capital accounts.

Increases in woodland area result from the creation of new woodland. This can be achieved through new planting or by natural colonisation of trees. Further information is available in the section on new planting.

Decreases in woodland area result from the conversion of woodland to other land uses. Regulatory approval is usually required before trees can be felled. Felling approval will normally require the area to be restocked, but there are some cases in which trees may be permanently removed, generally for environmental reasons. The permanent removal of trees may also be authorised under planning regulations, to enable development.

Most public sector woodland is owned and managed by Forestry England (FE), Forestry and Land Scotland (FLS), Natural Resources Wales (NRW) and the Forest Service (FS) in Northern Ireland. Other public sector woodland (e.g., owned by local authorities) is included in privately-owned woodland as “private sector” in this release.

The Natural Resources Wales woodland areas shown in this release relate to the Welsh Government Woodland Estate. There is approximately 900 hectares of woodland on National Nature Reserves and other land managed by Natural Resources Wales that is not included in the Natural Resources Wales figures.

The area of woodland in the UK at 31 March 2024 is estimated to be 3.28 million hectares (Table 1a). This represents 13% of the total land area in the UK, 19% in Scotland, 15% in Wales, 10% in England, and 9% in Northern Ireland.

Conifers account for just under one half (48%) of the UK woodland area, although this proportion varies from 71% in Scotland to 23% in England (Table 1a).

A total of 860 thousand hectares (26%) of woodland in the UK is owned or managed by Forestry England, Forestry and Land Scotland, Natural Resources Wales and the Forest Service (in Northern Ireland) (Table 1b).

The area of private sector woodland in the UK is 2.42 million hectares, or 74% of the UK woodland area (Table 1c).



Table 1a: Total area of woodland (thousand hectares), UK, 2024

<b>Forest type</b>	<b>England</b>	<b>Wales</b>	<b>Scotland</b>	<b>Northern Ireland</b>	<b>UK</b>
Conifers	305	139	1,070	64	1,578
Broadleaves	1,033	174	441	55	1,702
<b>Total</b>	<b>1,338</b>	<b>313</b>	<b>1,511</b>	<b>118</b>	<b>3,280</b>

Source: Forestry Commission, Forestry England, Scottish Forestry, Forestry and Land Scotland, Welsh Government, Natural Resources Wales, Forest Service, National Forest Inventory.

Note:

1. Figures for England, Wales and Scotland are based on data obtained from the National Forest Inventory and adjusted for new planting, but at present no adjustment is made for woodland recently converted to another land use. Further information on how the figures have been estimated is available in the Annex.
2. NRW estimates only relate to the Welsh Government Woodland Estate (WGWE).
3. Figures for Northern Ireland are obtained from the Northern Ireland Woodland Register.
4. Conifers includes mixed woodland dominated by conifer species and broadleaves includes mixed woodland dominated by broadleaf species.

Table 1b: Area of FE/FLS/NRW/FS woodland (thousand hectares), UK, 2024

Forest type	England	Wales	Scotland	Northern Ireland	UK
Conifers	144	89	411	55	699
Broadleaves	70	26	58	7	161
Total	214	115	469	62	860

Source: Forestry England, Forestry and Land Scotland, Natural Resources Wales, Forest Service, National Forest Inventory.

Note: See Table 1a for more information.

Table 1c: Area of private sector woodland (thousand hectares), UK, 2024

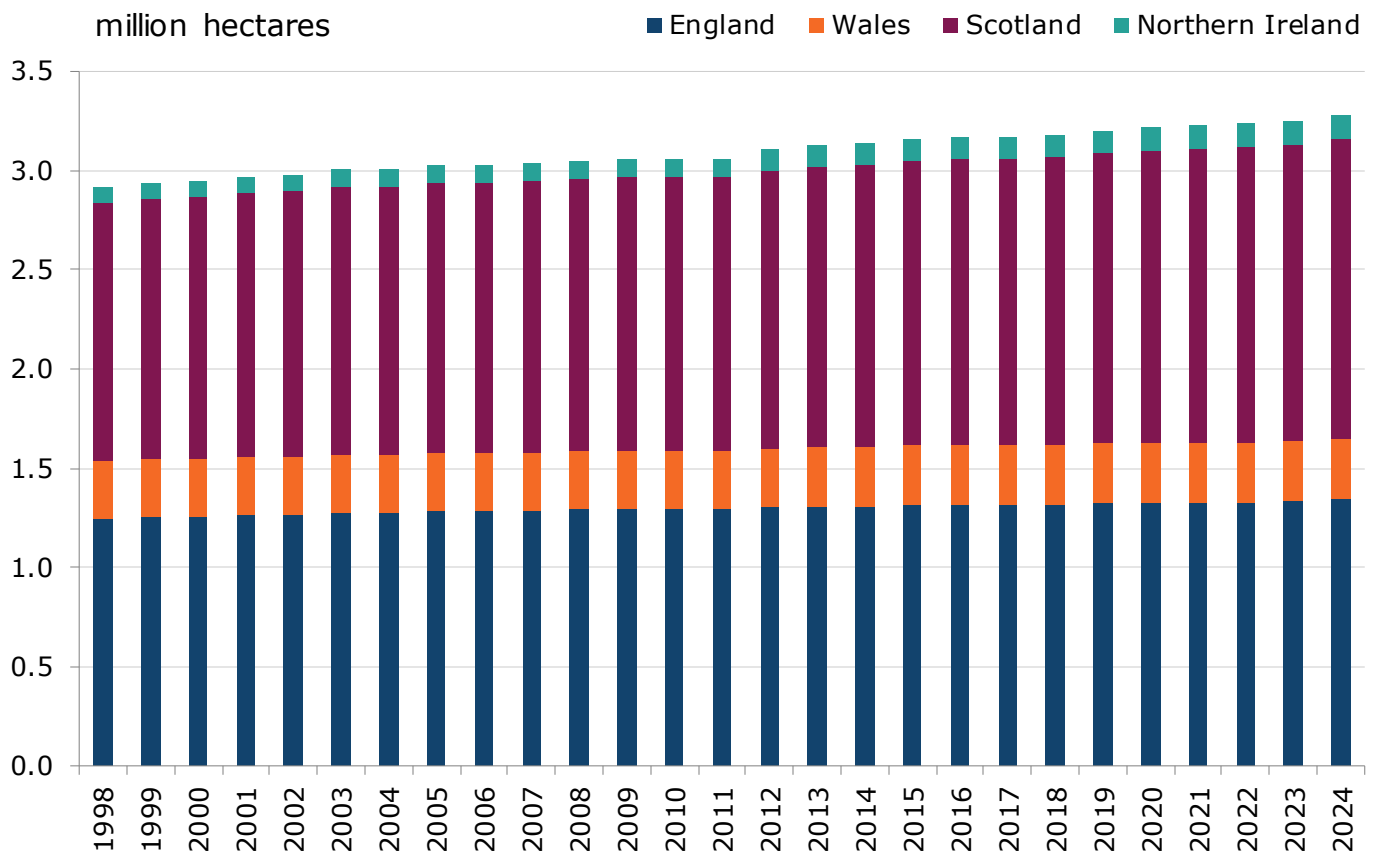
Forest type	England	Wales	Scotland	Northern Ireland	UK
Conifers	161	50	659	9	879
Broadleaves	963	148	383	47	1,541
Total	1,124	198	1,042	56	2,420

Source: Forestry Commission, Scottish Forestry, Welsh Government, Forest Service, National Forest Inventory.

Note: See Table 1a for more information.

Figure 1 shows the area of woodland (in millions of hectares) in the UK from 1998 to 2024, and by country. Woodland area has risen by 360 thousand hectares (12%) since 1998.

Figure 1: Area of woodland, UK, 1998 to 2024



Source: Forestry Commission, Forestry England, Scottish Forestry, Forestry and Land Scotland, Welsh Government, Natural Resources Wales, Forest Service, National Forest Inventory.

Note: see Table 1a for more information.

## Area of certified woodland

Forestry certification schemes are owned by national or international non-governmental organisations and exist to promote good forest practice. They offer product labels to demonstrate that wood or wood products come from well-managed forests.

FSC and PEFC certification is independently audited against the UK Woodland Assurance Standard.

Figures for certified woodland areas are often used as an indicator of sustainable forest management. However, it should be noted that woodland that is not certified may also be managed sustainably.

Most changes to the certified woodland area figures over time are a result of new areas being certified or certificates not being renewed upon expiry. Temporary changes can also occur if there is a time lag between expiry and renewal.

The total area of certified woodland in the UK at 31 March 2024 is 1.44 million hectares. This represents 44% of the total UK woodland area, 60% of the woodland area in Scotland, 56% in Northern Ireland, 48% in Wales and 23% in England.

Table 2: Area of certified woodland, UK, 31 March 2024

<b>Country</b>	<b>FE/FLS/NRW/FS (thousand hectares)</b>	<b>Private sector (thousand hectares)</b>	<b>Total (thousand hectares)</b>	<b>Percentage of woodland area (%)</b>
England	214	96	310	23
Wales	115	34	149	48
Scotland	469	441	910	60
Northern Ireland	62	4	66	56
UK	860	575	1,435	44

Source: Forest Stewardship Council, Programme for the Endorsement of Forest Certification, Forestry England, Forestry and Land Scotland, Natural Resources Wales, Forest Service, National Forest Inventory.

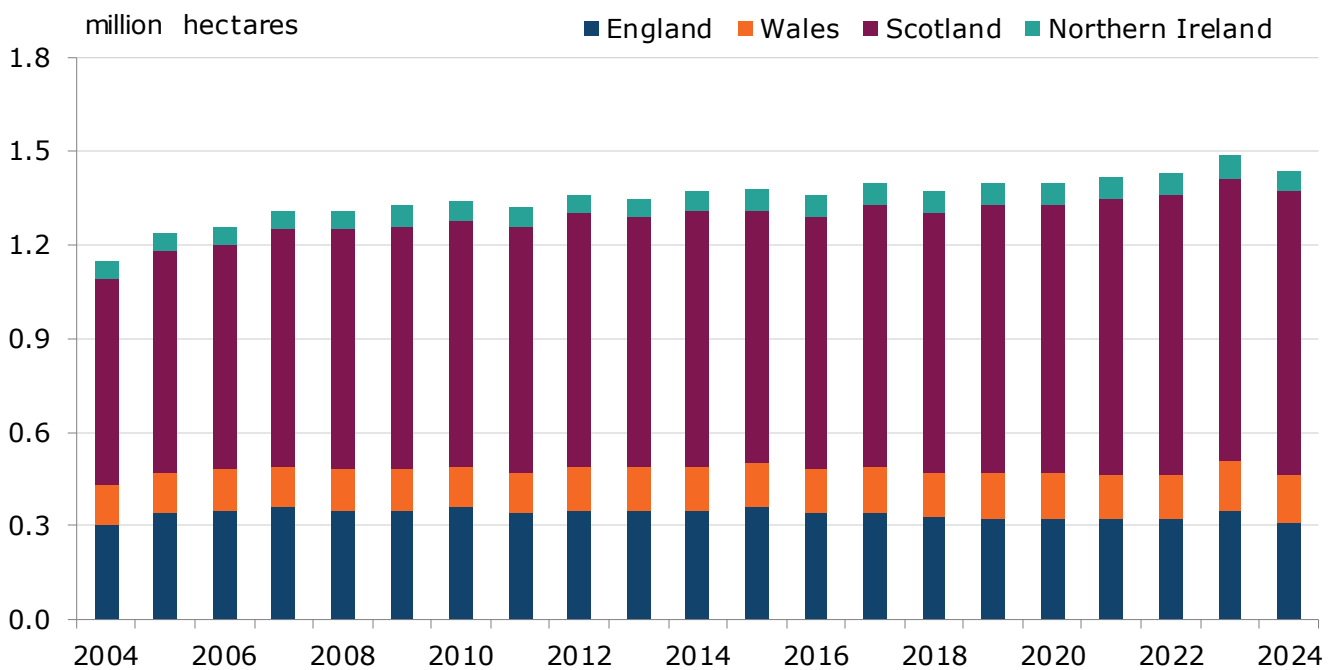
Note:

1. NRW estimates only relate to the Welsh Government Woodland Estate (WGWE).
2. Public sector: all FE/FLS/NRW/FS woodland.
3. Private sector: all other woodland. Includes woodland managed by NRW outside the WGWE, other publicly owned woodland (e.g., owned by local authorities) and privately owned woodland.
4. All certified woodland is certified under the Forest Stewardship Council (FSC) scheme.
5. The estimates are based on UK data published by FSC and PEFC supplemented by data from individual certificate holders and other sources.
6. Where possible, figures are for the woodland area certified, rather than the land area certified.
7. All Forestry England/Forestry and Land Scotland/Welsh Government Woodland Estate/Forest Service woodland is certified. The Forestry England/Forestry and Land Scotland/Welsh

Government Woodland Estate/Forest Service areas are the latest areas, as shown in Table 1b, rather than the areas shown on certificates.

Figure 2 shows the area of certified woodland (in millions of hectares) in the UK from 2004 to 2024, and the extent to which different countries have contributed to the UK total. The area of certified woodland in the UK has increased by 282 thousand hectares (24%) since March 2004.

Figure 2: Area of certified woodland, UK, 2004 to 2024



Source: Forest Stewardship Council, Programme for the Endorsement of Forest Certification, Forestry England, Forestry and Land Scotland, Natural Resources Wales, Forest Service.

Note:

1. See Table 2 for more information.

The 1.44 million hectares of certified woodland at 31 March 2024 is a decrease of over 3 thousand hectares (or 0.2%) on the previous year. Most of this decrease occurred in England with smaller amounts reported in Wales and Northern Ireland.



## New planting

New planting is the creation of new areas of woodland by establishing trees on land that was not previously woodland. Trends in new tree planting rates are influenced by changes to the incentives available to landowners (in the form of grants) and the availability of land for planting. The statistics presented here also include new woodland that is created by natural colonisation of trees (where known). Statistics on new planting are used to inform government policy and resource allocation and are used in producing annual estimates of woodland area.

The total area of new planting in the UK in 2023/24 was 20.66 thousand hectares. Broadleaves accounted for 55% of the total area of new planting (Table 3a). Most new planting (95%) took place on private sector land (Table 3b). Seventy-three percent (73%) of the total new planting took place in Scotland, 22% in England, 3% in Wales and 2% in Northern Ireland.

Table 3a: Area of new planting by forest type (thousand hectares), UK, 2023/24

Forest type	England	Wales	Scotland	Northern Ireland	UK
Conifers	0.43	0.01	8.72	0.04	9.21
Broadleaves	4.11	0.62	6.32	0.39	11.45
Total	4.55	0.64	15.04	0.43	20.66

Source: Forestry Commission, Forestry England, Scottish Forestry, Forestry and Land Scotland, Welsh Government, Natural Resources Wales, Forest Service.

Note:

1. Figures for grant-aided planting relate to areas for which grants were paid during the year to 31 March 2024.
2. Estimates for areas planted without grant aid are believed to be under-reported and, as a result, the reported figures are likely to under-estimate the true level of planting activity.
3. The planting season lies both sides of 31 March, and the weather can cause planting to be advanced or delayed.
4. Includes woodland established by natural colonisation (where known).

Table 3b: Area of new planting by ownership (thousand hectares), UK, 2023/24

<b>Ownership</b>	<b>England</b>	<b>Wales</b>	<b>Scotland</b>	<b>Northern Ireland</b>	<b>UK</b>
FE/FLS/NRW/FS	0.17	0.03	0.90	[low]	1.11
Private sector	4.38	0.60	14.14	0.43	19.55
Total	4.55	0.64	15.04	0.43	20.66

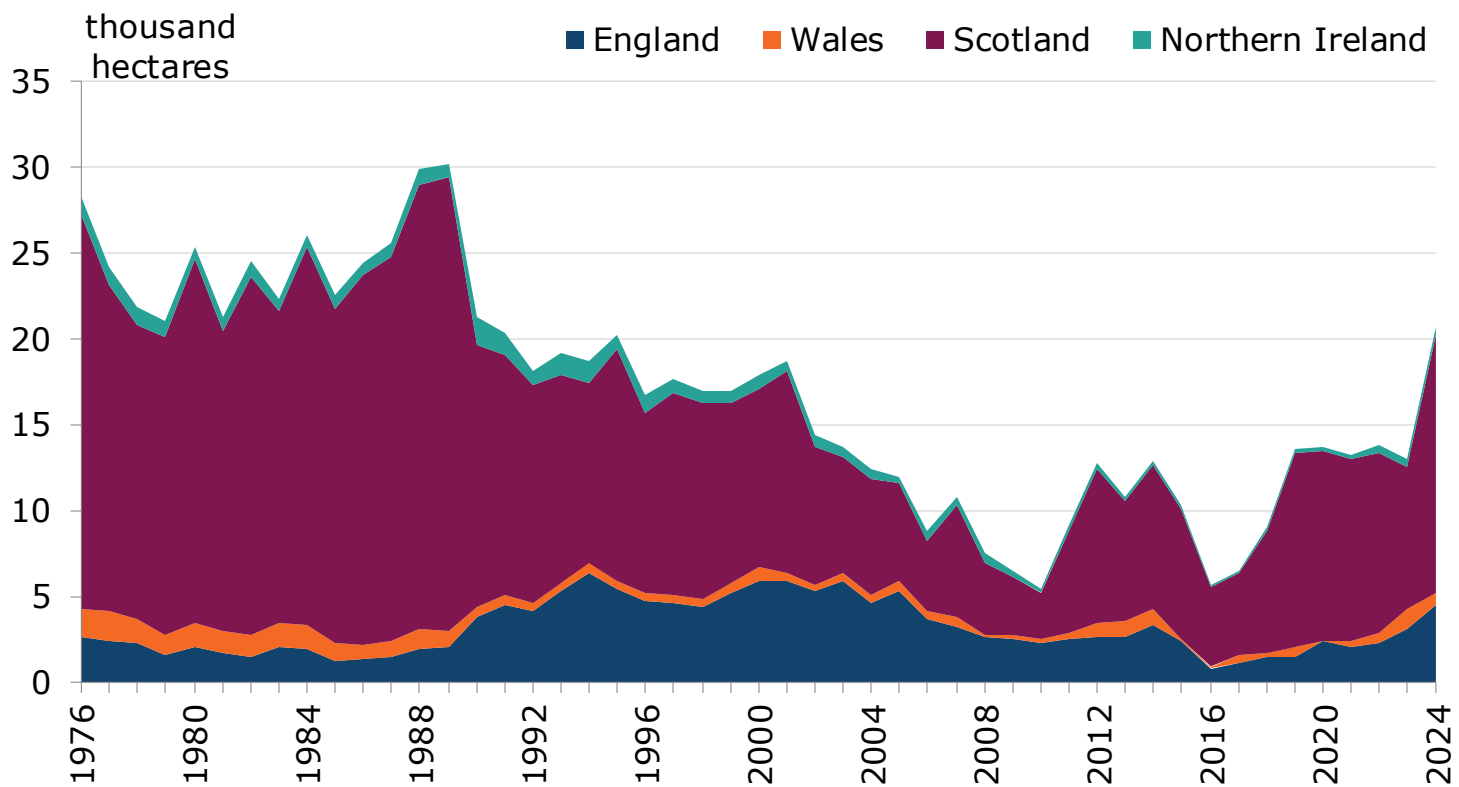
Source: Forestry Commission, Forestry England, Scottish Forestry, Forestry and Land Scotland, Welsh Government, Natural Resources Wales, Forest Service.

Note:

1. Public sector: all FE/FLS/NRW/FS woodland.
2. Private sector: all non-FE/FLS/NRW/FS woodland. Includes other publicly owned woodland (e.g., owned by local authorities) and privately owned woodland.
3. See Table 3a for more information.

Figure 3 shows the area of new planting from March 1976 to March 2024, and the extent to which different countries have contributed to the UK total. In the past 10 years, the area of new planting in the UK has ranged from under 6 thousand hectares in 2015/16 to over 20 thousand hectares in 2023/24.

Figure 3: Area of new planting, UK, 1975/76 to 2023/24



Source: Forestry Commission, Forestry England, Scottish Forestry, Forestry and Land Scotland, Welsh Government, Natural Resources Wales, Forest Service.

Note:

1. Private sector figures are based on grant-supported new planting and (where possible) with estimates for areas planted without grant aid.
2. See Table 3a for more information.

## Publicly funded restocking

Restocking is the replacement of trees on areas of woodland that have been felled; this can be done either through replanting or natural regeneration. The statistics presented here include felled areas that have been restocked by both natural regeneration and replanting.

As restocking takes place on woodland that has been previously harvested and it is a condition of most felling licences that the area is restocked, restocking rates are mainly driven by harvesting levels (with a time lag, often of around 2 years, between harvesting and restocking).

Economic factors, including grant rates, may have some effect on species choice at restocking. In addition, the precise timing of restocking may be affected by weather conditions.

This release only covers publicly funded restocking, that is:

- restocking of Forestry England/Forestry and Land Scotland/Natural Resources Wales/Forest Service woodland, and
- grant-aided restocking of private sector woodland.

Grant support for restocking in Scotland has been limited since 2008. The Forestry Grant Scheme was launched in Scotland in March 2015 and does include support for restocking in most, but not all, circumstances. As a result, grant-aided restocking does not represent all private sector restocking in Scotland. It is therefore likely that conifer restocking in Scotland in recent years is under-reported in this release and other statistics.

Grant support in England is now provided by the Countryside Stewardship scheme, which opened for applications in early 2016. Countryside Stewardship funding for restocking is only available under limited circumstances (through the tree health grant). The restoration (and restocking with native species) of PAWS (Plantations

on Ancient Woodland Sites) is also supported by the HS2 Woodland Fund. No estimate has been made for restocking in England that is no longer supported by grants and therefore restocking in England in recent years is under-reported in this release and other statistics.

As private sector figures are based on areas receiving grants for restocking, and restocking is not supported (or only supported in limited circumstances) by some grant schemes, these figures under-estimate the true level of restocking in the UK. In 2023/24, a total of 16.18 thousand hectares of restocking was publicly funded in the UK. Conifers accounted for over three quarters (77%) of the total area of restocking (Table 4a). Most reported restocking (64%) took place on public sector (i.e., FE/FLS/NRW/FS) land (Table 4b).

Sixty-three percent (63%) of publicly funded restocking in the UK took place in Scotland, 23% in England, 10% in Wales and 4% in Northern Ireland.

Table 4a: Area of publicly funded restocking by forest type (thousand hectares), UK, 2023/24

<b>Forest type</b>	<b>England</b>	<b>Wales</b>	<b>Scotland</b>	<b>Northern Ireland</b>	<b>UK</b>
Conifers	2.57	1.19	8.02	0.67	12.45
Broadleaves	1.15	0.37	2.19	0.02	3.73
<b>Total</b>	<b>3.72</b>	<b>1.56</b>	<b>10.21</b>	<b>0.69</b>	<b>16.18</b>

Source: Forestry Commission, Forestry England, Scottish Forestry, Forestry and Land Scotland, Welsh Government, Natural Resources Wales, Forest Service.

Note:

1. Private sector figures are based on areas for which grants were paid during the year to 31 March. No estimate of areas planted without grant aid was included.
2. The planting season lies both sides of 31 March, and the weather can cause planting to be advanced or delayed.
3. Includes woodland restocked by natural regeneration. Restocking by natural regeneration in non-clearfell areas may be under-represented.

Table 4b: Area of publicly funded restocking by ownership (thousand hectares), UK, 2023/24

<b>Ownership</b>	<b>England</b>	<b>Wales</b>	<b>Scotland</b>	<b>Northern Ireland</b>	<b>UK</b>
FE/FLS/NRW/FS	2.74	1.39	5.60	0.61	10.34
Private sector	0.97	0.17	4.61	0.09	5.84
<b>Total</b>	<b>3.72</b>	<b>1.56</b>	<b>10.21</b>	<b>0.69</b>	<b>16.18</b>

Source: Forestry Commission, Forestry England, Scottish Forestry, Forestry and Land Scotland, Welsh Government, Natural Resources Wales, Forest Service.

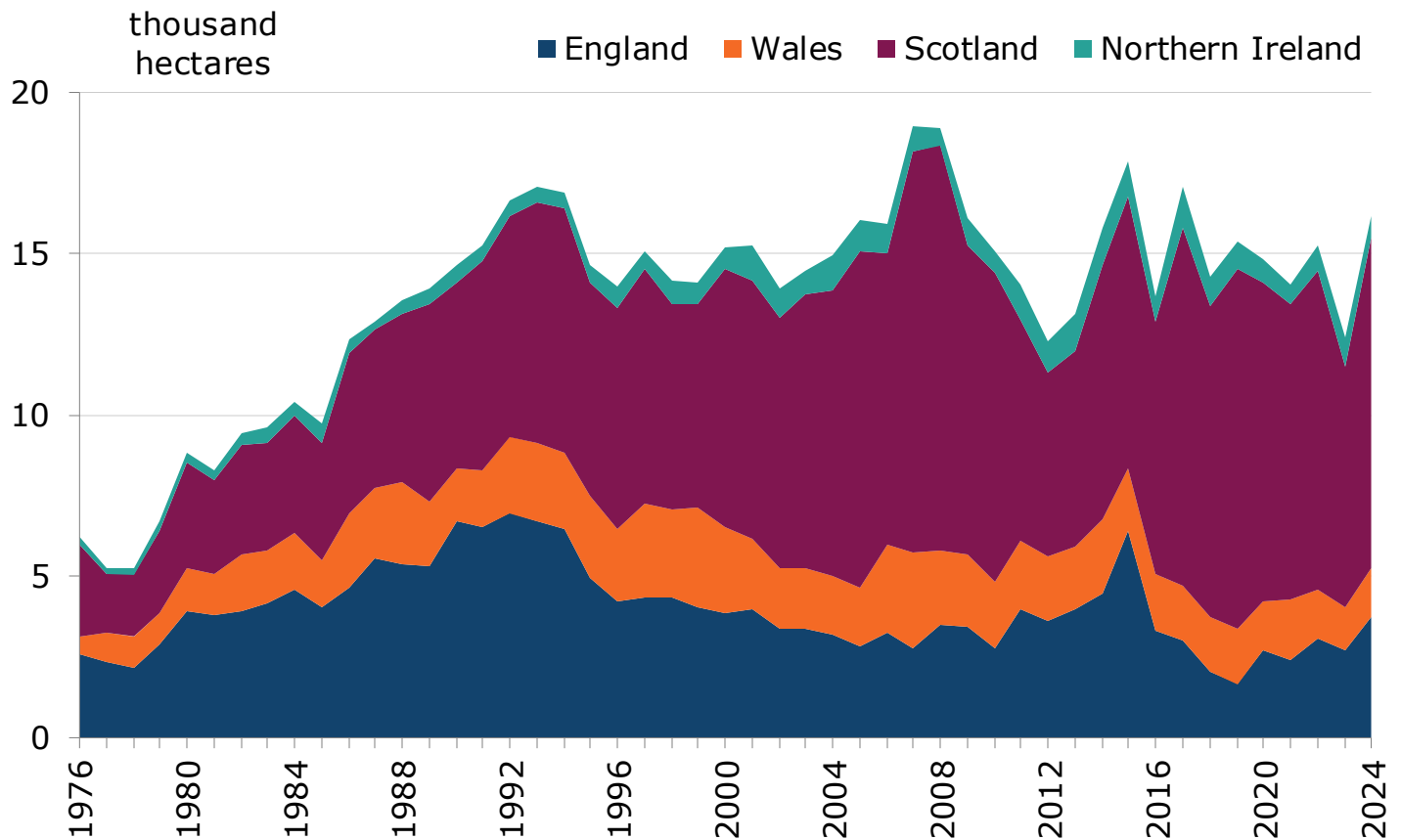
Note:

1. Public sector: all FE/FLS/NRW/FS woodland.
2. Private sector: all non-FE/FLS/NRW/FS woodland. Includes other publicly owned woodland (e.g., owned by local authorities) and privately-owned woodland.
3. See Table 4a for more information.



Figure 4 shows the area of publicly funded restocking from March 1976 to March 2024, and the extent to which different countries have contributed to the UK total.

Figure 4: Area of publicly funded restocking, UK, 1975/76 to 2023/24



Source: Forestry Commission, Forestry England, Scottish Forestry, Forestry and Land Scotland, Welsh Government, Natural Resources Wales, Forest Service.

Note: See Table 4a for more information.

The reported area of restocking fell significantly after a peak of 19 thousand hectares in 2006/07. This followed changes to grant support for restocking in Scotland, that resulted in some non-grant aided Sitka spruce restocking being excluded. Figure 4 shows a fall in the area of restocking in 2015/16, following changes to grant schemes across the UK.

## Woodland Carbon Code

A total of 621 projects across the UK were validated at 31 March 2024 and are projected to sequester a total of 11.3 million tonnes of carbon dioxide over their lifetime of up to 100 years<sup>3</sup> (Table 5a and 5b). This represents 9.6 million tonnes in Scotland, 1.4 million tonnes in England, 382 thousand tonnes in Wales and 38 thousand tonnes in Northern Ireland.

A total of 2,151 projects were registered under the Woodland Carbon Code by the end of March 2024, covering around 82 thousand hectares of woodland (Table 5c) and projected to sequester 27.0 million tonnes of carbon dioxide over their lifetime.

---

<sup>3</sup>Figures for carbon sequestration include the total projected sequestration of the projects over their lifetime of up to 100 years and include the amount claimable by a project plus the amount allocated to a shared "buffer" in case of unanticipated losses.

Table 5a: Number of Woodland Carbon Code projects, UK, 31 March 2024

<b>Project status</b>	<b>England</b>	<b>Wales</b>	<b>Scotland</b>	<b>Northern Ireland</b>	<b>UK</b>
Verified	46	7	73	1	127
Validated only	102	39	344	9	494
Total validated	148	46	417	10	621
Awaiting validation	697	208	497	128	1,530
Total	845	254	914	138	2,151

Source: UK Land Carbon Registry.

Note:

1. Projects can be validated/verified individually or as part of a group. The statistics presented here show the number of projects validated or verified whether they were administered individually or as part of a group.
2. Figures for carbon sequestration indicate the total projected sequestration of the projects over their lifetime of up to 100 years and include the amount claimable by a project plus the amount allocated to a shared "buffer" in case of unanticipated losses.
3. See Glossary for definition of awaiting validation, validated and verified.

Table 5b: Projected carbon sequestration of Woodland Carbon Code projects (million tonnes of carbon dioxide equivalent), UK, 31 March 2024

<b>Project status</b>	<b>England</b>	<b>Wales</b>	<b>Scotland</b>	<b>Northern Ireland</b>	<b>UK</b>
Verified	0.38	0.07	1.61	[low]	2.07
Validated only	0.98	0.31	7.96	0.04	9.27
Total validated	1.36	0.38	9.58	0.04	11.33
Awaiting validation	3.17	0.76	11.37	0.37	15.66
Total	4.52	1.14	20.93	0.40	27.00

Source: UK Land Carbon Registry.

Note: For more information see Table 5a.

Table 5c: Area of Woodland Carbon Code projects (hectares), UK, 31 March 2024

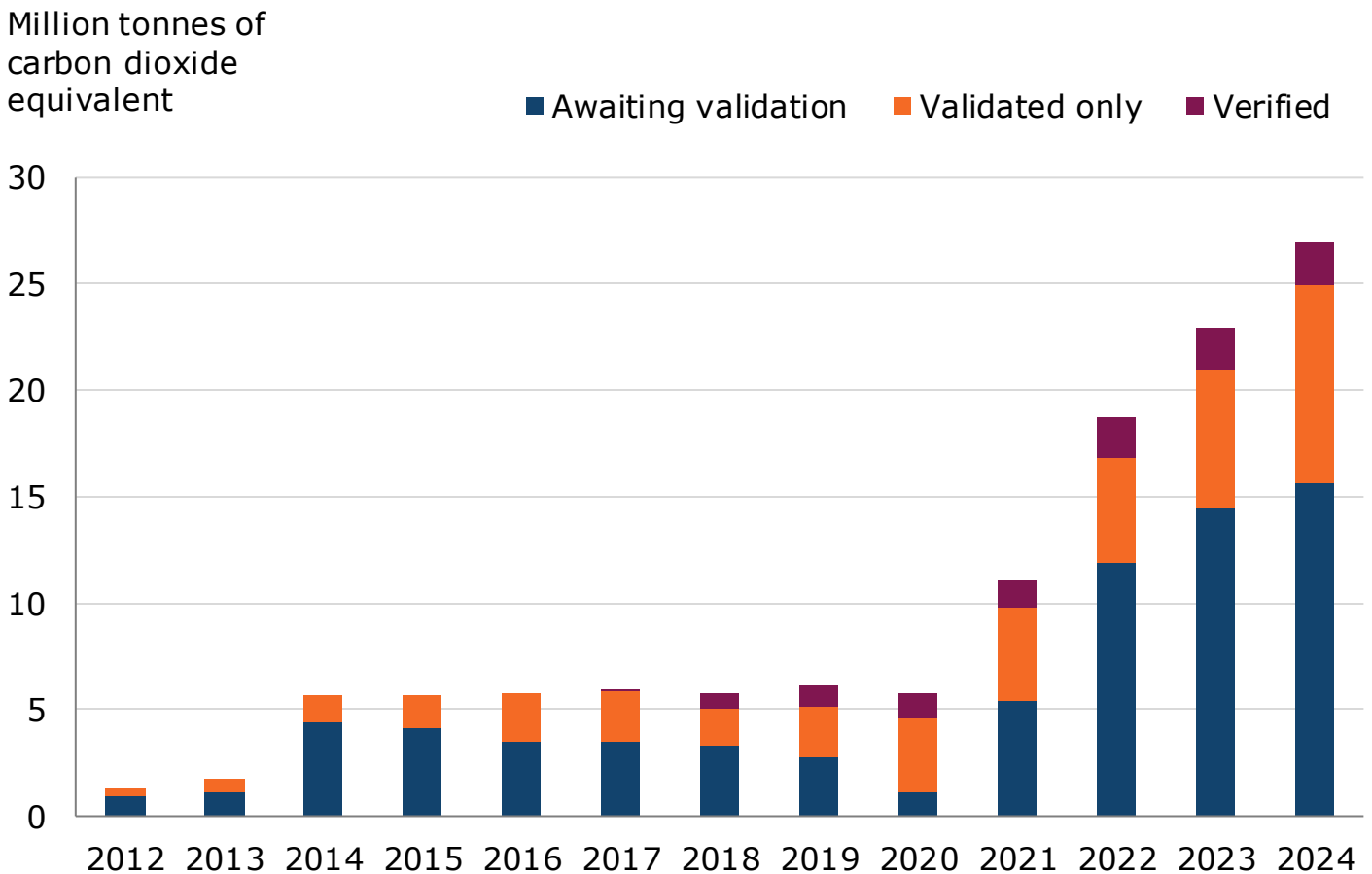
<b>Project status</b>	<b>England</b>	<b>Wales</b>	<b>Scotland</b>	<b>Northern Ireland</b>	<b>UK</b>
Verified	697	145	3,915	9	4,765
Validated only	2,237	865	26,070	91	29,263
Total validated	2,934	1,010	29,985	100	34,028
Awaiting validation	7,840	2,249	36,945	865	47,899
Total	10,774	3,259	66,929	965	81,926

Source: UK Land Carbon Registry.

Note: For more information see Table 5a.

Figure 5 shows projected carbon sequestration for all Woodland Carbon Code projects in the UK from March 2012 to March 2024. From March 2014 to March 2020, total projected carbon sequestration varied little (around 6 million tonnes of carbon dioxide equivalent). The past four years have seen large, sustained increases in projected carbon sequestration, with an 18% increase from 2023 to 2024.

Figure 5: Projected carbon sequestration by Woodland Carbon Code projects, UK, 2012 to 2024



Source: UK Land Carbon Registry.

Note: For more information see Table 5a.

The data presented here represent net changes in projects (i.e., additions less deletions).

Projects can be removed from the register if they do not meet the Code's standards, planned woodland creation projects do not go ahead, or the landowner no longer wishes to claim the carbon benefit of the project.

These changes in the latest year reflect net increases in both the number of projects registered and the number validated between March 2023 and March 2024.

# Data sources and methodology

## Area of woodland

The woodland area statistics provided in this release (see Figure 1) are based on the National Forest Inventory (NFI) woodland map of Great Britain at March 2022. The map is overlaid with a map of Forestry England land, Forestry and Land Scotland land and the Welsh Government Woodland Estate, to enable a breakdown by ownership type to be estimated, and the figures derived from the map are then updated to March 2023 by adding areas of new planting in 2022/23, and finally to March 2024 by adding areas of new planting in 2023/24. From March 2012 to March 2020, estimates of conifer stocked area and broadleaved stocked area at March 2012, derived from NFI interim field survey results, were used to estimate the breakdown by type of woodland. From March 2021 onwards, more recent estimates of stocked areas to March 2021 have been used to estimate the breakdown by type of woodland. More information can be found on our [Methodology and Outputs page](#).

More information on the NFI methodology and results from previous woodland area estimates can be found on the [National Forest Inventory page](#).

The annual NFI woodland maps take account of changes since the previous woodland map. These changes include new planting in the latest year, permanent observed woodland loss and other changes (e.g., arising from the work to calibrate the NFI map with the data from other sources that was used in the NFI report on tree cover outside woodland in Great Britain). These revisions do not take account of woodland loss that may arise when woodland is converted to open habitats.

In the time series presented in Figure 1, woodland area estimates for years before 2011 were revised from those originally published for consistency with results from the National Forest Inventory, to enable comparisons over time.



The Natural Resources Wales woodland areas relate to the Welsh Government Woodland Estate. There is approximately 900 hectares of woodland on National Nature Reserves and other land managed by Natural Resources Wales that is not included in the Natural Resources Wales figures.

Figures for Northern Ireland (Forest Service and non-Forest Service woodland) are provided by the Northern Ireland Forest Service. County breakdowns are available from the [Forest Service Woodland Register](#).

## Area of certified woodland

Data on certified woodland areas are obtained from the Forest Stewardship Council (FSC) and the Programme for the Endorsement of Forest Certification (PEFC), and contact with individual land owners and managers. Some of the certified woodland is certified by both schemes (e.g., it is certified under both the FSC scheme and the PEFC scheme).

The data collected from FSC and PEFC are the areas that are certified for each certificate holder. Follow-up enquiries with larger certificate holders are used to check the certified areas and to provide a country breakdown.

As all Forestry England/Forestry and Land Scotland/Natural Resources Wales (Welsh Government Woodland Estate)/Forest Service woodland is certified, the areas used are those provided in Table 1, rather than the areas shown on the certificates.

Previously, Grown in Britain (GiB) was included as a valid woodland certification scheme, however this is no longer counted in these statistics. Removal of GiB has resulted in revisions to total and private sector area of certified woodland for 2020 to 2023. These reductions amount to up to 8 thousand hectares for England (-8%) and less than one thousand hectares in each of Scotland, Wales and Northern Ireland.

## New planting and publicly funded restocking

New planting is the creation of new areas of woodland. Restocking is the replanting of existing areas of woodland that have been felled. New planting can use planting/seeding or natural colonisation. Restocking can also use planting/seeding or natural regeneration.

Information about Forestry England, Forestry and Land Scotland, Natural Resources Wales and Forest Service new planting and restocking comes from administrative systems. For new planting and restocking by Forestry and Land Scotland and by Natural Resources Wales, the figures obtained relate to net areas (i.e., excluding integral open space). These are converted to estimates of gross areas (i.e., including integral open space) for consistency with other planting and woodland area data, by using an assumption of 15% open space.

Information about other woodland has come principally from grant schemes, including Countryside Stewardship and the England Woodland Creation Offer (EWCO) in England, Glastir and the Woodland Investment Grant (TWIG) in Wales, and the Forestry Grant Scheme in Scotland.

Areas receiving grant are allocated to years by date of payment. For natural colonisation and regeneration, the areas are generally those for which the second instalment of grant has been paid during the year. The second instalment is approved when woodland reaches a certain stage and density of growth, so this information corresponds approximately to the amount of new and restocked woodland created.

The coverage and level of grant support differ across schemes, so that figures on grant-aided planting are not directly comparable between countries or over time. Grant support for restocking of conifers changed with the introduction of Rural Development Contracts in Scotland in 2008 and again with the introduction of the

Forestry Grant Scheme in 2015. This will have led to a reduction in the proportion of private sector restocking that is grant aided and therefore reported for Scotland. New planting estimates for England also include areas supported by the Woodland Trust and areas funded by Natural England (Higher Level Stewardship/Countryside Stewardship). From 2016/17, the estimated area of new planting includes new woodland creation supported by the Woodland Trust under the MOREwoods and Partnerships England projects. From 2017/18, the estimated area of new planting includes new woodland creation supported by the Environment Agency.

Areas of land acquired by the National Forest Company for new planting have been included from 2015/16. To avoid potential double counting, areas of new planting by the National Forest Company that are believed to be supported by grant aid or by the Woodland Trust (and have therefore already been included in the figures reported for these other sources) have been excluded.

From 2018/19, the estimated area of new planting includes new woodland creation by the Woodland Carbon Fund, HS2 Woodland Fund and Northern Forest. From 2020/21, the estimated area of new planting includes new woodland creation by the Community Forest Trust. From 2022/23, the estimated area of new planting includes new woodland creation funded by the Woodland Carbon Guarantee and Woodland Creation Partnerships (in England), and Commemorative Woodlands (in Wales).

Local estimates for private sector areas of planting and restocking which are not grant-aided were included for England, Wales and Scotland up to 2009/10, where possible. Estimates of non-grant-aided planting and restocking were relatively small (less than one thousand hectares annually), and it has been assumed that all of this area is broadleaves. A small estimate for broadleaved new planting without grant aid in Scotland in 2016/17 to 2019/20 was also included. No estimates have been included for restocking with Sitka spruce in Scotland, or for restocking in

England, that are no longer supported by grants. It is assumed that there is no non-FS non-grant aided new planting and restocking in Northern Ireland.

The use of natural regeneration in non-clearfell systems may be increasing - particularly for broadleaves in England. These systems are not satisfactorily represented by measuring restocking area within any given year, and so broadleaf regeneration may be under-reported in this release and other statistics.

Figures for Northern Ireland (Forest Service and private sector woodland) are provided by the [Forest Service](#).

The [methodology and outputs relevant to UK woodland area, planting and restocking](#) were reviewed in 2014.

## Woodland Carbon Code

Information about Woodland Carbon Code projects comes from the [UK Land Carbon Registry](#).

# Annex

## Introduction

This annex provides background information on the woodland area, new planting, publicly funded restocking and Woodland Carbon Code statistics presented in this release. It covers the data sources and methodology used to produce the statistics, information on quality measures and on any revisions to historic data and links to further information.

## Glossary

### Broadleaves

Trees that do not have needles or cones, such as oak, birch and beech. A few, such as alder, have cone-like structures for their seeds which are not true cones.

### Clearfell areas

Sites where all trees have been felled at once. In non-clearfell areas, only some of the trees are felled at any one time.

### Conifers

Trees with needles and cones, such as spruce, pine and larch.

### Establishment

The first five to ten years or formative period that ends once young trees are of sufficient size that, given adequate protection, they are likely to survive at the required stocking.

## Forest

In the United Kingdom, there is no formal definition of “forest”; the term is often used for large woodland areas (especially conifers) or for old Royal hunting preserves such as the New Forest or the Forest of Dean.

### Forest Research (FR)

The Forestry Commission agency responsible for forestry and tree related research (including statistics).

### Forest Service (FS)

An executive agency of the Department of Agriculture, Environment and Rural Affairs (DAERA). Forest Service fulfils DAERA’s legal obligations for forestry in Northern Ireland.

### Forestry and Land Scotland (FLS)

The Scottish Government agency responsible for managing the national forests and lands in Scotland, created on 1 April 2019.

### Forestry Commission (FC)

The government department responsible for forestry matters in England. The Forestry Commission’s functions in Wales transferred to the Welsh Government and to Natural Resources Wales on 1 April 2013. The Forestry Commission’s functions in Scotland transferred to Scottish Forestry and to Forestry and Land Scotland on 1 April 2019. The Forestry Commission is supported by two agencies; Forestry England and Forest Research.

### Forestry England (FE)

The Forestry Commission agency responsible for managing the national forests in England. Prior to April 2019, Forestry England was known as Forest Enterprise England.

### FSC

Forest Stewardship Council.

### Great Britain (GB)

England, Scotland and Wales.

### GiB

Grown in Britain.

### Hectare (ha)

Unit of area defined as 10,000 square metres (100 m by 100 m), approximately equal to 2.47 acres.

### Natural colonisation

The creation of new woodland by natural means, i.e., without sowing or planting.

### Natural regeneration

The regeneration of existing woodland by natural means, i.e., without sowing or planting.

### Natural Resources Wales (NRW)

The organisation responsible for advising the Welsh Government on the environment, created on 1 April 2013.

### New planting

Establishing woodland on ground that was not woodland in the recent past.

### NFI

National Forest Inventory.

### NIWT

National Inventory of Woodland and Trees (1995 to 1999).

## PEFC

Programme for the Endorsement of Forest Certification.

## Restocking

The replacement of trees on areas of woodland that have been felled; this can be done either through replanting or natural regeneration.

## Scottish Forestry

The Scottish Government agency responsible for forestry policy, support and regulations, created on 1 April 2019. Scottish Forestry also has responsibility for managing the UK Woodland Carbon Code on behalf of the Forestry Commission in England, the Welsh Government and the Northern Ireland Forest Service.

## Tonne of carbon dioxide equivalent (tCO<sub>2</sub>e)

Emissions and sequestration can be presented as tonnes carbon or tonnes carbon dioxide (CO<sub>2</sub>) equivalent. To convert from tonnes CO<sub>2</sub> to tonnes carbon multiply by 12/44.

## United Kingdom (UK)

Great Britain and Northern Ireland.

## Validated

The initial evaluation of a project or group against the requirements of the Woodland Carbon Code. Upon completion a project/group will receive a 'Validation Opinion Statement'. The project/group will then be certified for a period of up to 5 years.

## Verified

Verification is the evaluation of a Woodland Carbon Code project as it progresses to confirm the amount of CO<sub>2</sub> sequestered to date as well as that it continues to meet the requirements of the Code.



## Woodland

Land under stands of trees with a minimum size of 0.5 hectares (0.1 hectares in Northern Ireland), minimum width of 20 m and a canopy cover of at least 20%, or having the potential to achieve this, including integral open space, and including felled areas that are awaiting restocking.

## Quality

The statistics on woodland area presented here refer to woodland as a land use rather than a land cover, so felled areas and newly planted areas are included within the definition of woodland. Some statistics on woodland area as a land cover are available from other sources (e.g., [Land Cover Map](#)).

Due to data quality concerns, new planting in England by National Highways is not included.

Detailed information on the quality of the statistics presented in this publication is available in the [quality report on woodland statistics](#).

## Revisions

Statistics at March 2024 and for 2023/24 are provisional and published for the first time in this release.

Woodland area figures at March 2021, March 2022 and March 2023 have been revised from those provided in Forestry Statistics 2023 to take account of updates to the NFI woodland map. These updates have resulted in revisions for 2021 to 2023 of less than 0.3% compared to those previously reported.

As the woodland area estimates are also used to estimate certified area for FE/FLS/NRW/FS woodland, the certified woodland area figures for 2021-2023 have also been revised, resulting in a revision of less than 0.05%.

Other figures have not been revised from those previously published in Forestry Statistics 2023.

Our [revisions policy](#) sets out how revisions and errors to these statistics are dealt with.

## Further information

[Supplementary data sets to this release](#) provide longer time series data by country for woodland area, certified woodland area, new planting, publicly funded restocking and Woodland Carbon Code project information.

Further information on woodland area in Great Britain is produced by the [National Forest Inventory](#).

Previous woodland area statistics are available in [Forestry Statistics](#) 2023 and Forestry Facts & Figures 2023 (published September 2023).

Figures in tables have been independently rounded, so may not add to the totals shown.

Figures for woodland area in the UK are provided to international organisations; the Food and Agriculture Organisation of the United Nations (FAO) for the 5-yearly [Global Forest Resources Assessment](#), and Forest Europe for the 4-yearly [State of Europe's Forests](#). The most recent results use UK data submitted in early 2019.

Woodland area and new planting data are also used to compile the UK's Greenhouse Gas Inventory for the Land Use, Land Use Change and Forestry (LULUCF) sector, submitted to the [United Nations Framework Convention on Climate Change](#) (UNFCCC). Statistics on UK greenhouse gas emissions are published by the [Department for Energy Security and Net Zero](#).

The international definition of forests differs slightly from the UK definition of woodland in terms of the minimum canopy cover threshold. For the UK, there is a

requirement for canopy cover of at least 20%, whilst the international definition specifies a minimum of 10% canopy cover.

Further information on carbon on the [Woodland Carbon Code homepage](#) and in [Forestry Statistics](#) 2023.

## Release schedule

Final results for (the year to) March 2024 will be published on 26 September 2024 in [Forestry Statistics 2024](#) and [Forestry Facts & Figures 2024](#).

Provisional Woodland Statistics 2025, for the year to 31 March 2025, will be published in June 2025.

**Alice Holt Lodge**

Farnham

Surrey, GU10 4LH, UK

**Tel: 0300 067 5600**

**Northern Research  
Station**

Roslin

Midlothian, EH25 9SY, UK

**Tel: 0300 067 5900**

**Forest Research in  
Wales**

Environment Centre  
Wales

Deiniol Road, Bangor

Gwynedd, LL57 2UW,  
UK

**Tel: 0300 067 5774**

[info@forestresearch.gov.uk](mailto:info@forestresearch.gov.uk)

[www.forestresearch.gov.uk](http://www.forestresearch.gov.uk)

Forest Research will consider all requests to make the content of our documents available in alternative formats.

Please send any such requests to: [research.info@forestresearch.gov.uk](mailto:research.info@forestresearch.gov.uk)

© Crown copyright 2024