

# NFI provisional estimates for woodland within 100 miles of Pontrilas

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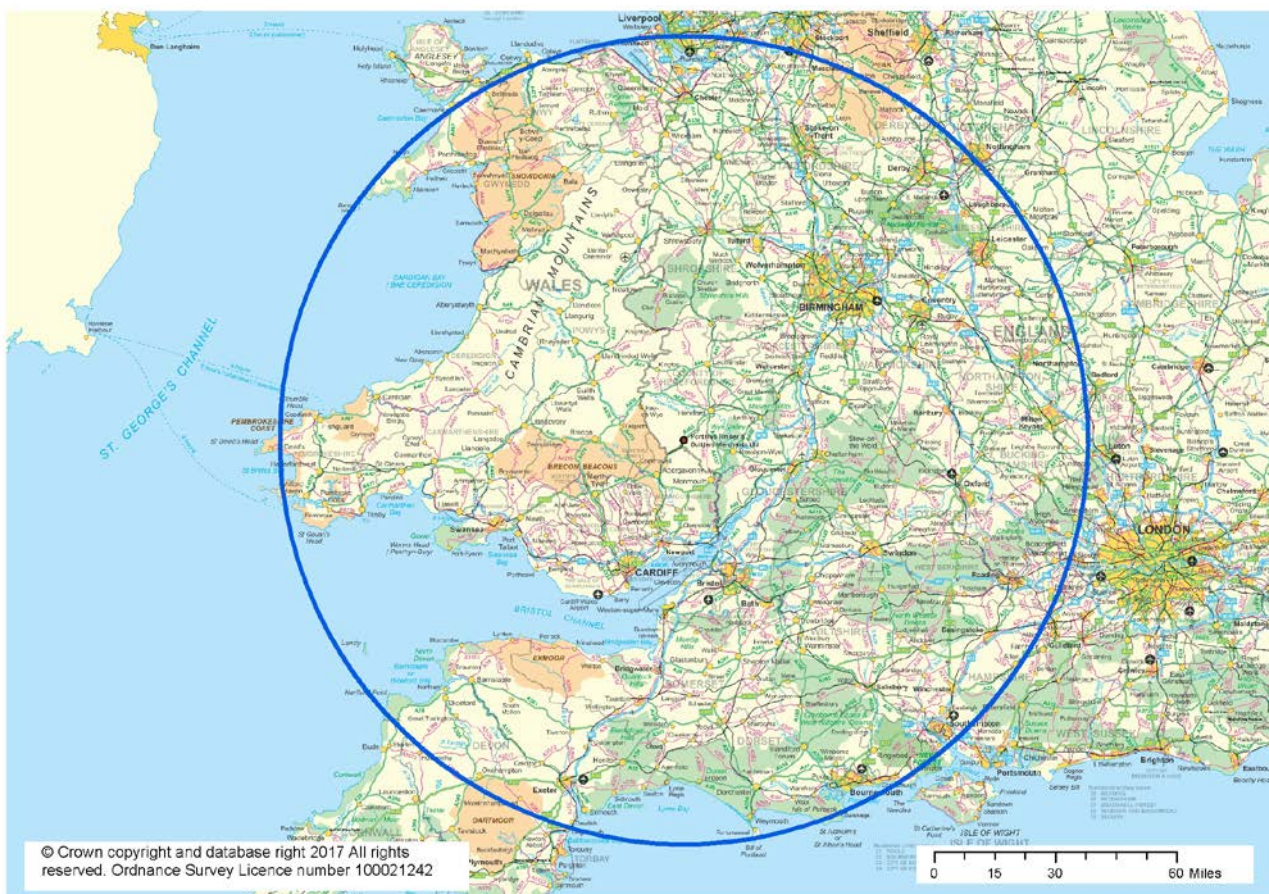
**Website:** [www.forestry.gov.uk/inventory](http://www.forestry.gov.uk/inventory)  
[www.forestry.gov.uk/forecast](http://www.forestry.gov.uk/forecast)

## Summary

This report provides a detailed picture of stocked area and the standing volume of timber for woodland within a 100 mile radius of Pontrilas. These estimates are a subset of those published as part of the 2012 growing stock information presented in the National Forest Inventory (NFI) *50-year forecasts of softwood timber availability* and *50-year forecast of hardwood timber availability*. NFI reports are published at [www.forestry.gov.uk/inventory](http://www.forestry.gov.uk/inventory).

In addition, the report provides forecasts of timber availability, for softwoods and hardwoods arising from the stocked area and standing volume. Forecasts are based on the 'headline' harvesting scenario described in the NFI 50-year forecast reports. Forecasting for broadleaved woodland in the Private sector is provided using a harvesting scenario which brings all Private sector broadleaved woodland into production.

The estimates provided in this report are provisional in nature.



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## Approach

The approach taken in the derivation of these results and to be used in their interpretation is described in the full suite of forecast reports which can be found at [www.forestry.gov.uk/forecast](http://www.forestry.gov.uk/forecast). Refer to the *Standing timber volume in coniferous trees in Britain* (2012) and the *NFI preliminary estimates of quantities of broadleaved species in British Woodlands with special focus on ash* (2014) reports for a description of the underlying methodologies and interpretation, and also for the England and GB context. Refer to the *NFI forecasts methodology overview* (2012) report for a detailed description and discussion of forecasting future availability of timber from NFI field survey data and from information in the Forestry Commission's sub-compartment database (SCDB). The wider context of forecasts of timber production from woodland in Great Britain and its constituent countries under a range of harvesting scenarios can be found in the *50-year forecast of softwood timber availability* (2014) and the *50-year forecast of hardwood timber availability* (2014).

The estimates reported here are based upon field samples assessed between October 2009 and August 2013, the results of which have been subjected to rigorous data quality assurance procedures. These field samples constitute approximately two thirds of the sites to be sampled within the first cycle of NFI field sampling. As a consequence, the estimates in this report are classed as provisional.

## Results

The results presented in this report are estimates of stocked areas and standing volumes at 31 March 2012, and 25-year forecasts of softwood and hardwood availability under the 'headline' harvesting scenario and modified to assume that all hardwoods are harvested in woodland within 100 miles of Pontrilas. The data sources used for the compilation of these estimates are the same as described in the National Forest Inventory reports *Standing timber volume for coniferous trees in Britain* (2012), the *50-year forecast of softwood availability* (2014) and the *50-year forecast of hardwood availability* (2014). Estimates for the Forestry Commission (FC) and the Natural Resources Wales (NRW) estates are derived from their sub-compartment databases, while those for the private sector (i.e. non-FC in England or non-NRW in Wales) estate are derived from information collected in the NFI field survey. A fuller description of these data sources and how they are used in the production of estimates, including sampling standard errors attached to the private sector estimates, is provided in the earlier documents.

The Private sector forecast in this report represents the potential availability of timber under the assumption of harvesting to maximise timber production. The actual levels of timber that will be produced will vary from the results reported here as production

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depends on the harvesting choices made by forest and woodland owners who are unlikely to consistently choose to maximise production over the forecast period.

Results are provided for stocked area at 31 March 2012 (**Figures 1a-1b** and **Tables 1-3**), felled area (**Table 4**), standing volume at 31 March 2012 (**Figures 2a-2b** and **Tables 5-7**) and the 25-year forecast (**Figures 3 - 6** and **Tables 8-9**).

The values in the tables have been independently rounded, so may not add to the totals shown. In some breakdowns of Private sector estimates, the estimates in the body of the table may not sum to the quoted total because each individual value, including the total, has been independently generated by the estimation procedure used for results from the NFI sample survey. Sampling standard errors (SE) attached to Private sector estimates are expressed in relative terms (%) to the right of the relevant estimate.

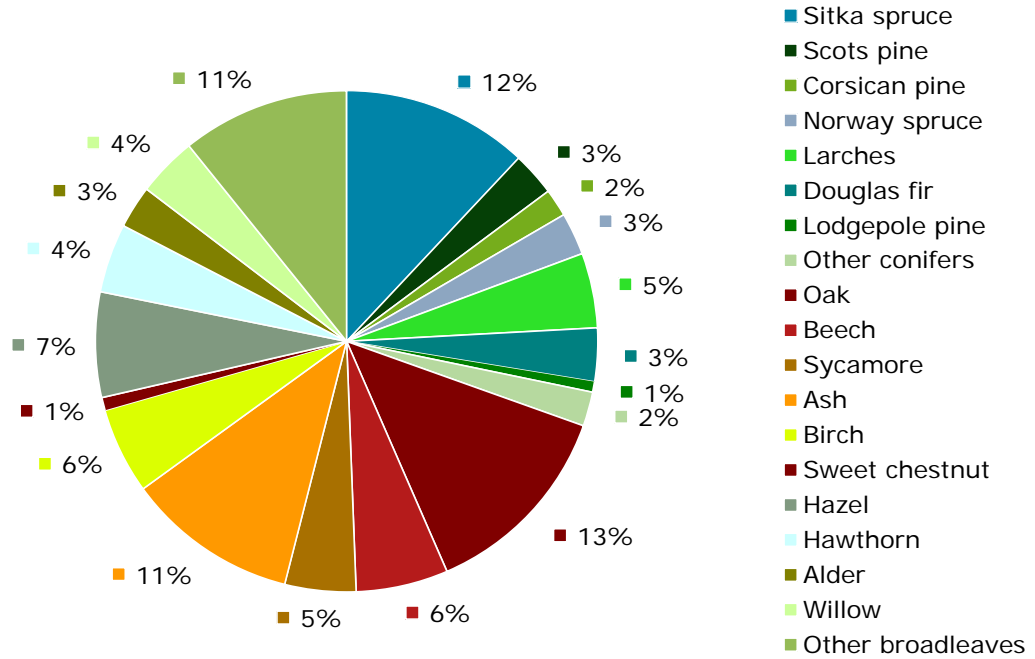
Where the standard error is high this indicates that the estimate should be interpreted with a degree of caution. Any estimate with a relatively large standard error is shown in **amber** in the tables.

These standard errors depend on the combination of a number of factors but broadly:

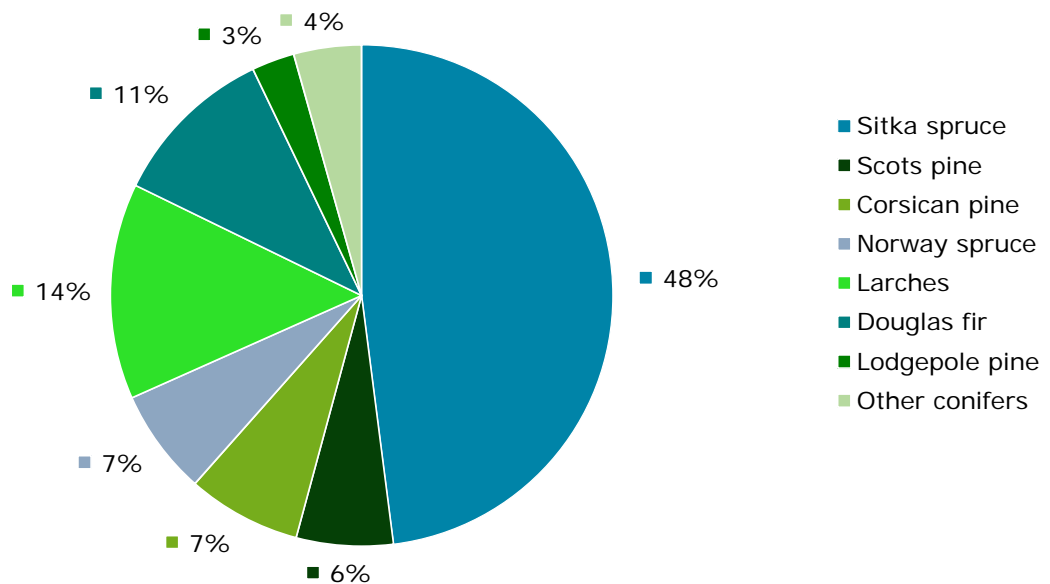
- The more woodland that is within the area of interest the more samples that will have been selected, generally leading to lower standard errors
- Increasing the number of categories and sub-categories used (e.g. conifers and broadleaves then sub-divided into species groupings) may well result in higher standard errors, especially for the categories that occur less frequently such as minor species
- More variability will also result in higher standard errors; for instance if a species is usually more evenly stocked when compared with another then its standard error will tend to be lower than the latter species.

## Stocked area at 31 March 2012

**Figure 1a** Principal tree species composition by stocked area at 31 March 2012



**Figure 1b** Principal conifer tree species composition by stocked area at 31 March 2012



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**Table 1** Stocked area by principal tree species at 31 March 2012

Principal species	FC/NRW	Private sector		Total
	area (000 ha)	area (000 ha)	SE%	area (000 ha)
<b>Conifers</b>				
Sitka spruce	52.9	32.8	6	<b>85.7</b>
Scots pine	6.9	13.3	9	<b>20.1</b>
Corsican pine	8.1	4.7	16	<b>12.8</b>
Norway spruce	7.5	12.0	9	<b>19.4</b>
Larches	15.3	19.2	7	<b>34.5</b>
Douglas fir	11.8	12.9	9	<b>24.6</b>
Lodgepole pine	3.0	1.9	24	<b>4.9</b>
Other conifers	4.8	11.0	9	<b>15.8</b>
<b>All conifers</b>	<b>110.2</b>	<b>108.2</b>	<b>2</b>	<b>218.4</b>
<b>Broadleaves</b>				
Oak	12.5	80.5	4	<b>92.9</b>
Beech	8.5	33.9	6	<b>42.4</b>
Sycamore	0.3	32.3	6	<b>32.6</b>
Ash	1.7	77.3	3	<b>79.0</b>
Birch	3.3	36.5	5	<b>39.8</b>
Sweet chestnut	0.6	5.3	14	<b>5.9</b>
Hazel	0.2	48.3	4	<b>48.5</b>
Hawthorn	0.0	31.8	12	<b>31.8</b>
Alder	0.3	19.4	7	<b>19.7</b>
Willow	0.0	27.4	7	<b>27.4</b>
Other broadleaves	14.1	63.1	4	<b>77.2</b>
<b>All broadleaves</b>	<b>41.5</b>	<b>456.5</b>	<b>1</b>	<b>498.0</b>
<b>All species</b>				
<b>All species</b>	<b>151.8</b>	<b>564.5</b>	<b>1</b>	<b>716.3</b>

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**Table 2** Stocked area by age class at 31 March 2012

Age class	FC/NRW	Private sector		Total
	area (000 ha)	area (000 ha)	SE%	area (000 ha)
<b>All conifers</b>				
0–10 years	11.5	5.7	16	<b>17.2</b>
11–20 years	18.5	8.6	13	<b>27.1</b>
21–40 years	31.7	36.5	6	<b>68.1</b>
41–60 years	36.2	44.1	5	<b>80.3</b>
61–80 years	10.0	8.9	12	<b>18.9</b>
81–100 years	1.9	2.7	24	<b>4.6</b>
100+ years	0.4	1.9	28	<b>2.4</b>
<b>Total</b>	<b>110.2</b>	<b>108.2</b>	<b>2</b>	<b>218.4</b>
<b>All broadleaves</b>				
0–10 years	5.3	55.0	8	<b>60.4</b>
11–20 years	3.8	63.4	4	<b>67.2</b>
21–40 years	4.3	124.0	3	<b>128.3</b>
41–60 years	7.4	73.9	4	<b>81.3</b>
61–80 years	7.2	56.7	5	<b>63.9</b>
81–100 years	2.7	48.7	5	<b>51.4</b>
100+ years	10.8	34.8	6	<b>45.6</b>
<b>Total</b>	<b>41.5</b>	<b>456.5</b>	<b>1</b>	<b>498.0</b>
<b>All species</b>				
0–10 years	16.8	60.8	7	<b>77.6</b>
11–20 years	22.3	72.0	4	<b>94.3</b>
21–40 years	36.0	160.8	3	<b>196.7</b>
41–60 years	43.6	117.4	3	<b>161.1</b>
61–80 years	17.2	65.7	4	<b>82.9</b>
81–100 years	4.6	51.4	5	<b>56.0</b>
100+ years	11.2	36.4	6	<b>47.7</b>
<b>Total</b>	<b>151.8</b>	<b>564.5</b>	<b>1</b>	<b>716.3</b>



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**Table 3** Stocked area by mean stand dbh class at 31 March 2012

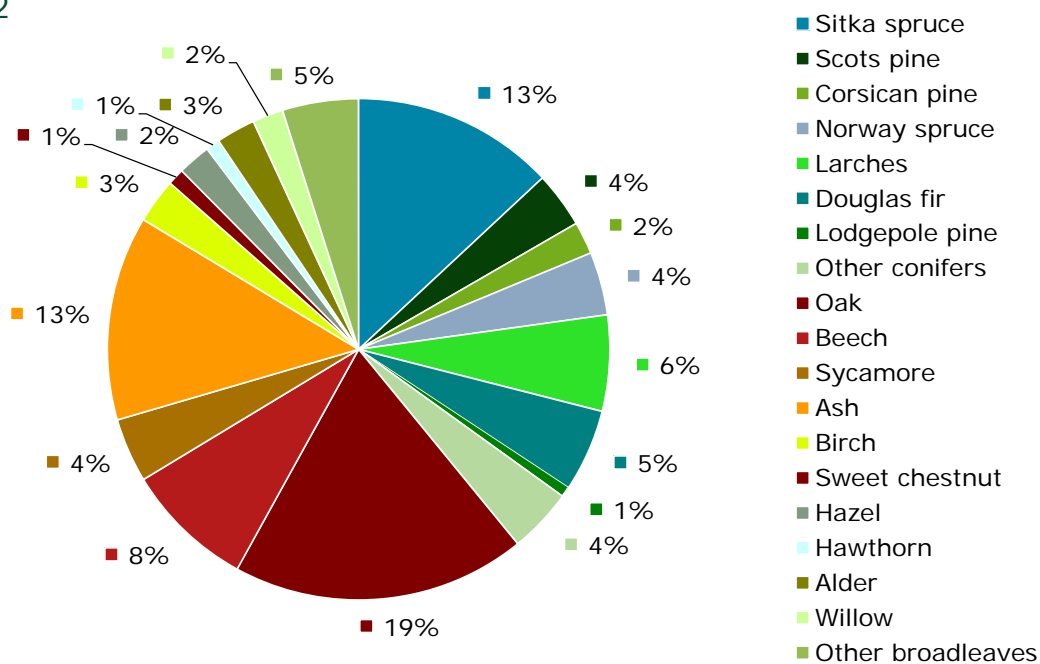
Mean stand DBH	FC/NRW	Private sector		Total
	area (000 ha)	area (000 ha)	SE%	area (000 ha)
<b>All conifers</b>				
0–7 cm	15.8	6.4	15	<b>22.3</b>
7–10 cm	6.5	6.2	14	<b>12.7</b>
10–15 cm	19.5	11.0	11	<b>30.5</b>
15–20 cm	18.0	13.2	10	<b>31.2</b>
20–30 cm	25.1	27.2	6	<b>52.3</b>
30–40 cm	14.9	24.7	6	<b>39.7</b>
40–60 cm	9.4	16.8	8	<b>26.2</b>
60–80 cm	0.8	1.9	23	<b>2.6</b>
80+ cm	0.2	0.8	37	<b>1.0</b>
<b>Total</b>	<b>110.2</b>	<b>108.2</b>	<b>2</b>	<b>218.4</b>
<b>All broadleaves</b>				
0–7 cm	6.8	66.6	7	<b>73.4</b>
7–10 cm	5.2	84.2	3	<b>89.4</b>
10–15 cm	4.7	66.0	4	<b>70.7</b>
15–20 cm	6.1	47.4	5	<b>53.5</b>
20–30 cm	9.5	65.6	4	<b>75.0</b>
30–40 cm	5.6	41.0	5	<b>46.6</b>
40–60 cm	3.0	53.7	5	<b>56.7</b>
60–80 cm	0.6	21.4	7	<b>22.0</b>
80+ cm	0.1	10.6	12	<b>10.7</b>
<b>Total</b>	<b>41.5</b>	<b>456.5</b>	<b>1</b>	<b>498.0</b>
<b>All species</b>				
0–7 cm	22.6	73.2	6	<b>95.8</b>
7–10 cm	11.6	90.5	3	<b>102.1</b>
10–15 cm	24.2	77.0	3	<b>101.3</b>
15–20 cm	24.1	60.8	4	<b>84.9</b>
20–30 cm	34.6	92.8	3	<b>127.4</b>
30–40 cm	20.5	65.5	4	<b>86.0</b>
40–60 cm	12.4	70.2	4	<b>82.7</b>
60–80 cm	1.3	23.1	7	<b>24.4</b>
80+ cm	0.3	11.4	11	<b>11.7</b>
<b>Total</b>	<b>151.8</b>	<b>564.5</b>	<b>1</b>	<b>716.3</b>

**Table 4** Felled area at 31 March 2012

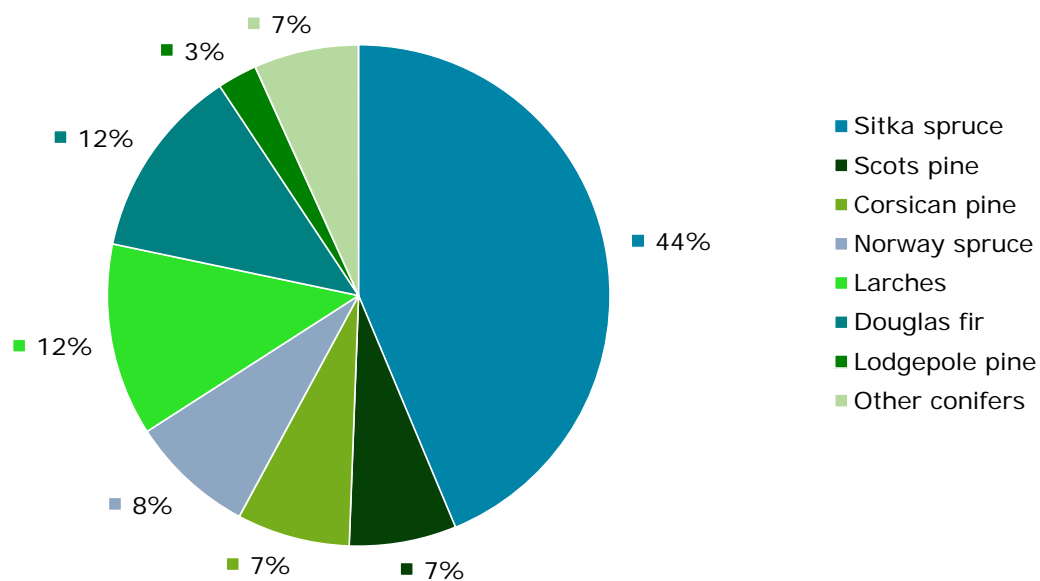
Clearfelled area	FC/NRW	Private sector		Total
	area (000 ha)	area (000 ha)	SE%	area (000 ha)
	7.9	4.7	17	<b>12.6</b>

## Standing volume at 31 March 2012

**Figure 2a** Principal tree species composition by standing volume at 31 March 2012



**Figure 2b** Principal conifer tree species composition by standing volume at 31 March 2012



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**Table 5** Standing volume by principal tree species at 31 March 2012

Principal species	FC/NRW	Private sector		Total
	volume (000 m <sup>3</sup> obs)	volume (000 m <sup>3</sup> obs)	SE%	volume (000 m <sup>3</sup> obs)
<b>Conifers</b>				
Sitka spruce	11,633	11,384	9	<b>23,017</b>
Scots pine	1,835	4,523	10	<b>6,358</b>
Corsican pine	1,935	1,772	16	<b>3,707</b>
Norway spruce	2,138	5,026	11	<b>7,164</b>
Larches	3,303	7,649	8	<b>10,952</b>
Douglas fir	3,300	6,092	11	<b>9,392</b>
Lodgepole pine	678	477	27	<b>1,154</b>
Other conifers	1,796	5,543	14	<b>7,339</b>
<b>All conifers</b>	<b>26,618</b>	<b>42,669</b>	<b>3</b>	<b>69,287</b>
<b>Broadleaves</b>				
Oak	2,827	30,578	5	<b>33,405</b>
Beech	2,138	12,515	8	<b>14,653</b>
Sycamore	47	7,269	9	<b>7,316</b>
Ash	234	23,058	7	<b>23,292</b>
Birch	274	4,811	7	<b>5,084</b>
Sweet chestnut	96	1,795	17	<b>1,891</b>
Hazel	18	3,725	7	<b>3,743</b>
Hawthorn	0	1,596	8	<b>1,596</b>
Alder	52	4,380	9	<b>4,431</b>
Willow	0	3,474	10	<b>3,474</b>
Other broadleaves	1,354	7,309	7	<b>8,663</b>
<b>All broadleaves</b>	<b>7,039</b>	<b>100,680</b>	<b>2</b>	<b>107,719</b>
<b>All species</b>				
<b>All species</b>	<b>33,657</b>	<b>143,234</b>	<b>2</b>	<b>176,891</b>

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**Table 6** Standing volume by age class at 31 March 2012

Age class	FC/NRW	Private sector		Total
	volume (000 m <sup>3</sup> obs)	volume (000 m <sup>3</sup> obs)	SE%	volume (000 m <sup>3</sup> obs)
<b>All conifers</b>				
0–10 years	6	1	37	7
11–20 years	753	657	27	1,411
21–40 years	6,611	11,474	8	18,085
41–60 years	13,891	22,344	6	36,235
61–80 years	4,280	5,168	14	9,448
81–100 years	852	1,885	26	2,737
100+ years	225	1,139	27	1,364
<b>Total</b>	<b>26,618</b>	<b>42,669</b>	<b>3</b>	<b>69,287</b>
<b>All broadleaves</b>				
0–10 years	1	132	20	133
11–20 years	44	2,731	6	2,775
21–40 years	297	15,618	4	15,915
41–60 years	1,205	17,917	5	19,122
61–80 years	1,436	19,737	6	21,174
81–100 years	603	24,365	7	24,969
100+ years	3,453	20,180	7	23,632
<b>Total</b>	<b>7,039</b>	<b>100,680</b>	<b>2</b>	<b>107,719</b>
<b>All species</b>				
0–10 years	7	133	20	140
11–20 years	797	3,395	7	4,192
21–40 years	6,907	27,146	4	34,054
41–60 years	15,097	40,013	4	55,110
61–80 years	5,717	25,000	5	30,717
81–100 years	1,455	26,285	7	27,740
100+ years	3,678	21,262	7	24,939
<b>Total</b>	<b>33,657</b>	<b>143,234</b>	<b>2</b>	<b>176,891</b>

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**Table 7** Standing volume by mean stand dbh class at 31 March 2012

Mean stand DBH	FC/NRW	Private sector		Total
	volume (000 m <sup>3</sup> obs)	volume (000 m <sup>3</sup> obs)	SE%	volume (000 m <sup>3</sup> obs)
<b>All conifers</b>				
0–7 cm	2	2	54	4
7–10 cm	148	198	14	346
10–15 cm	2,101	1,332	13	3,433
15–20 cm	4,768	3,459	12	8,228
20–30 cm	10,201	12,009	8	22,209
30–40 cm	5,465	12,811	7	18,277
40–60 cm	3,499	10,498	10	13,998
60–80 cm	347	1,413	30	1,760
80+ cm	87	946	45	1,033
<b>Total</b>	<b>26,618</b>	<b>42,669</b>	<b>3</b>	<b>69,287</b>
<b>All broadleaves</b>				
0–7 cm	12	297	10	310
7–10 cm	175	2,959	4	3,134
10–15 cm	682	6,877	4	7,559
15–20 cm	1,287	7,764	5	9,051
20–30 cm	2,557	16,380	4	18,937
30–40 cm	1,497	15,313	6	16,810
40–60 cm	681	25,401	5	26,082
60–80 cm	120	14,428	7	14,548
80+ cm	28	11,261	15	11,289
<b>Total</b>	<b>7,039</b>	<b>100,680</b>	<b>2</b>	<b>107,719</b>
<b>All species</b>				
0–7 cm	15	300	10	314
7–10 cm	322	3,162	3	3,485
10–15 cm	2,782	8,224	4	11,007
15–20 cm	6,055	11,261	5	17,316
20–30 cm	12,758	28,391	4	41,149
30–40 cm	6,963	28,092	5	35,055
40–60 cm	4,180	35,760	5	39,940
60–80 cm	467	15,800	7	16,266
80+ cm	115	12,244	14	12,359
<b>Total</b>	<b>33,657</b>	<b>143,234</b>	<b>2</b>	<b>176,891</b>

## 25-year forecast of timber availability

Refer to the NFI report *50-year forecast of softwood timber availability (2014)* for a description of the underlying methodology and interpretation of the softwood forecast, and also for the England, Wales and GB context.

Refer to the NFI report *50-year forecast of hardwood timber availability (2014)* for a description of the underlying methodology and interpretation of the hardwood forecast, and also for the England, Wales and GB context.

In **Tables 8 and 9** and **Figures 3-6** the estimates for the Forestry Commission and Natural Resources Wales are based on harvesting regimes derived from their felling and thinning plans as of 31 March 2012.

For the Private sector, information for **Tables 8 and 9** and **Figures 3-6** is based on a scenario which assumes felling at age of maximum mean annual increment with moderate wind risk measures for conifers and broadleaves.

Restocking assumptions for conifer stands clearfelled during the forecast period have been implemented that provide for:

- a 10% reduction in the area of conifers on the subsequent rotation
- restocking of currently clearfelled land
- a change in the composition of conifer species on restocking

Restocking assumptions for broadleaved stands clearfelled during the forecast period have been included that provide for:

- No reduction in stocked area.
- Like for like species choices are used for broadleaves.
- That 50% of the land associated with the reduction in conifer stocked area arising from the assumption above is stocked with broadleaves.

A full description of the restocking assumptions is to be found in **Table D3** of the *50-year forecast of softwood timber availability (2014)*. The same restocking assumptions have been applied to both the FC, NRW and Private sector forecasts.

Woodland that is classed as currently clearfelled will be restocked according to the restock prescription.

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## 25-year forecast of timber availability

**Table 8** 25-year forecast of timber availability by time period and principal species; average annual volumes within period

Principal species	2017–21			2022–26			2027–31					
	FC/NRW	Private sector	Total	FC/NRW	Private sector	Total	FC/NRW	Private sector	Total			
	volume (000 m <sup>3</sup> obs)	SE%	volume (000 m <sup>3</sup> obs)	volume (000 m <sup>3</sup> obs)	SE%	volume (000 m <sup>3</sup> obs)	volume (000 m <sup>3</sup> obs)	SE%	volume (000 m <sup>3</sup> obs)			
<b>All conifers</b>	<b>1,379</b>	<b>2,307</b>	<b>7</b>	<b>3,687</b>	<b>1,283</b>	<b>2,092</b>	<b>8</b>	<b>3,374</b>	<b>1,173</b>	<b>1,768</b>	<b>8</b>	<b>2,941</b>
Sitka spruce	726	757	17	1483	680	691	18	1371	629	492	20	1121
Scots pine	72	168	17	239	66	150	16	216	56	264	17	319
Corsican pine	105	99	25	204	102	84	25	186	78	38	23	116
Norway spruce	106	238	21	344	88	291	23	379	78	304	16	381
Larches	128	405	11	533	118	256	11	374	100	239	16	340
Douglas fir	136	325	14	461	145	290	21	435	145	184	21	330
Lodgepole pine	32	17	52	48	23	19	51	42	21	9	29	30
Other conifers	76	289	17	364	60	298	29	359	66	229	20	295
<b>All broadleaves</b>	<b>103</b>	<b>4,974</b>	<b>3</b>	<b>5,077</b>	<b>50</b>	<b>2,522</b>	<b>4</b>	<b>2,573</b>	<b>96</b>	<b>2,192</b>	<b>5</b>	<b>2,289</b>
Oak	31	255	14	286	13	344	17	358	28	561	12	589
Beech	43	268	27	311	18	229	17	246	37	196	22	233
Sycamore	1	642	10	643	0	222	9	223	2	149	13	151
Ash	5	1840	5	1845	3	625	6	628	5	285	7	291
Birch	4	512	10	516	2	237	9	239	4	180	12	184
Sweet chestnut	3	57	23	60	2	49	19	51	3	109	36	112
Hazel	0	353	8	353	0	191	10	191	0	116	15	116
Hawthorn	0	67	8	67	0	60	7	60	0	64	10	64
Alder	1	400	9	400	0	197	17	198	1	97	18	97
Willow	0	145	17	145	0	95	8	95	0	169	18	169
Other broadleaves	15	430	10	445	11	265	7	276	17	263	8	279
<b>All species</b>	<b>1,482</b>	<b>7,247</b>	<b>3</b>	<b>8,729</b>	<b>1,333</b>	<b>4,615</b>	<b>4</b>	<b>5,948</b>	<b>1,269</b>	<b>3,964</b>	<b>4</b>	<b>5,234</b>

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**Table 8 (cont'd)** 25-year forecast of timber availability by time period and principal species; average annual volumes within period

Principal species	2032–36			2037–41			Total	
	FC/NRW	Private sector	SE%	FC/NRW	Private sector	SE%		
	volume (000 m <sup>3</sup> obs)	SE%	volume (000 m <sup>3</sup> obs)	volume (000 m <sup>3</sup> obs)	SE%	volume (000 m <sup>3</sup> obs)		
<b>All conifers</b>	<b>1,255</b>	<b>1,856</b>	<b>8</b>	<b>3,110</b>	<b>1,126</b>	<b>1,386</b>	<b>9</b>	<b>2,512</b>
Sitka spruce	739	639	19	1377	575	400	20	975
Scots pine	43	279	15	322	46	222	23	269
Corsican pine	69	60	44	130	69	18	25	88
Norway spruce	69	296	18	365	74	258	27	332
Larches	96	206	13	303	126	123	15	250
Douglas fir	178	151	15	329	170	161	16	330
Lodgepole pine	10	34	53	44	8	36	52	44
Other conifers	50	187	19	237	57	158	22	216
<b>All broadleaves</b>	<b>36</b>	<b>1,907</b>	<b>4</b>	<b>1,944</b>	<b>133</b>	<b>2,062</b>	<b>4</b>	<b>2,195</b>
Oak	8	226	12	234	29	366	16	395
Beech	8	260	19	268	67	170	16	237
Sycamore	1	151	10	152	1	166	11	167
Ash	3	395	8	397	5	396	6	401
Birch	3	174	9	177	5	155	8	160
Sweet chestnut	2	76	32	77	3	22	15	25
Hazel	1	127	13	128	1	166	9	166
Hawthorn	0	59	7	59	0	91	14	91
Alder	0	78	17	78	1	91	16	92
Willow	0	96	11	96	0	165	14	165
Other broadleaves	10	260	10	271	21	273	10	294
<b>All species</b>	<b>1,291</b>	<b>3,772</b>	<b>4</b>	<b>5,063</b>	<b>1,259</b>	<b>3,447</b>	<b>4</b>	<b>4,706</b>



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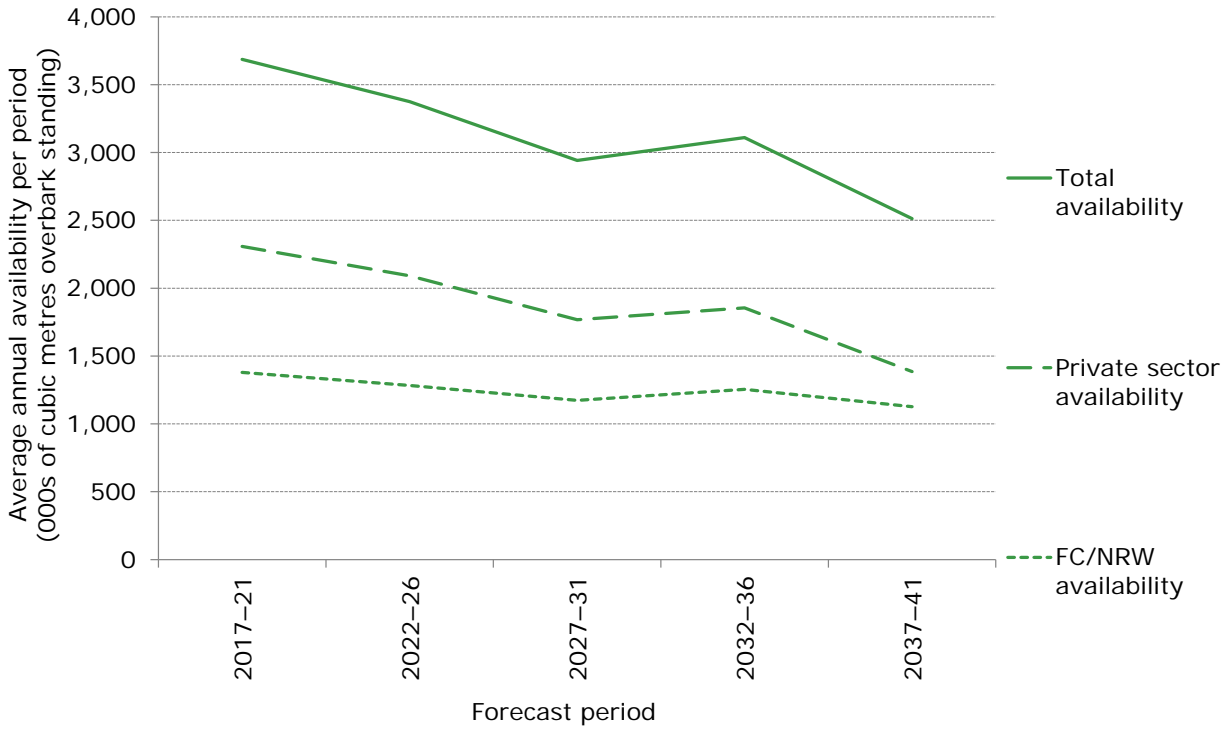
**Table 9** 25-year forecast of timber availability by period, top-diameter class and conifers or broadleaves

Top diameter class (cm)	2017–21			2022–26			2027–31			2032–36			2037–41		
	FC/NRW	Private sector		FC/NRW	Private sector		FC/NRW	Private sector		FC/NRW	Private sector		FC/NRW	Private sector	
	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%
<b>All conifers</b>															
7–14	252	185	7	232	155	7	175	136	11	191	149	10	198	182	8
14–16	101	83	8	95	71	8	82	67	13	87	72	12	76	63	12
16–18	107	104	8	95	88	8	93	78	12	105	90	12	85	71	14
18–24	331	452	8	309	418	10	295	314	10	359	385	12	288	269	13
24–34	350	771	8	325	718	10	297	545	9	311	581	9	284	379	10
34–44	139	375	9	126	337	11	122	303	9	104	283	8	97	193	11
44–54	60	174	11	54	158	14	57	156	10	48	141	9	43	96	13
54+	39	164	13	40	147	17	53	169	12	50	154	11	55	132	23
<b>Total</b>	<b>1,379</b>	<b>2,307</b>	<b>7</b>	<b>1,283</b>	<b>2,092</b>	<b>8</b>	<b>1,173</b>	<b>1,768</b>	<b>8</b>	<b>1,255</b>	<b>1,856</b>	<b>8</b>	<b>1,126</b>	<b>1,386</b>	<b>9</b>

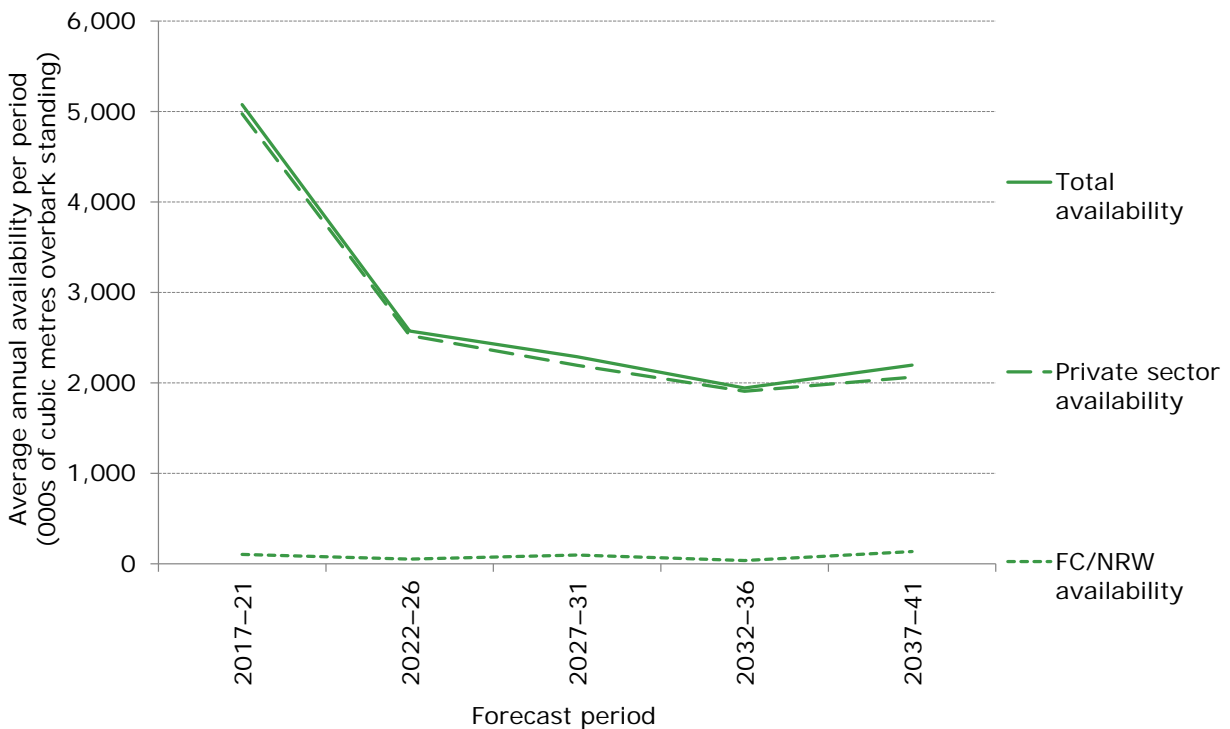
Top diameter class (cm)	2017–21			2022–26			2027–31			2032–36			2037–41		
	FC/NRW	Private sector		FC/NRW	Private sector		FC/NRW	Private sector		FC/NRW	Private sector		FC/NRW	Private sector	
	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%	(000 m <sup>3</sup> )	(000 m <sup>3</sup> )	SE%
<b>All broadleaves</b>															
7–14	26	906	3	16	645	3	22	620	3	18	681	2	42	777	2
14–16	7	255	3	4	141	4	6	116	5	3	108	4	11	142	4
16–18	8	272	3	4	141	4	6	112	5	2	99	4	11	135	5
18–24	23	912	3	12	446	4	21	354	5	5	280	5	26	371	6
24–34	23	1,275	4	9	568	5	25	466	8	4	348	7	24	349	9
34–44	9	657	5	3	273	7	10	240	10	2	175	10	10	137	9
44–54	4	333	6	1	129	8	4	117	11	1	86	11	5	62	11
54+	3	361	14	1	179	14	3	166	16	1	130	19	5	89	17
<b>Total</b>	<b>103</b>	<b>4,974</b>	<b>3</b>	<b>50</b>	<b>2,522</b>	<b>4</b>	<b>96</b>	<b>2,192</b>	<b>5</b>	<b>36</b>	<b>1,907</b>	<b>4</b>	<b>133</b>	<b>2,062</b>	<b>4</b>

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**Figure 3** Overview of 25-year forecast of average annual softwood availability

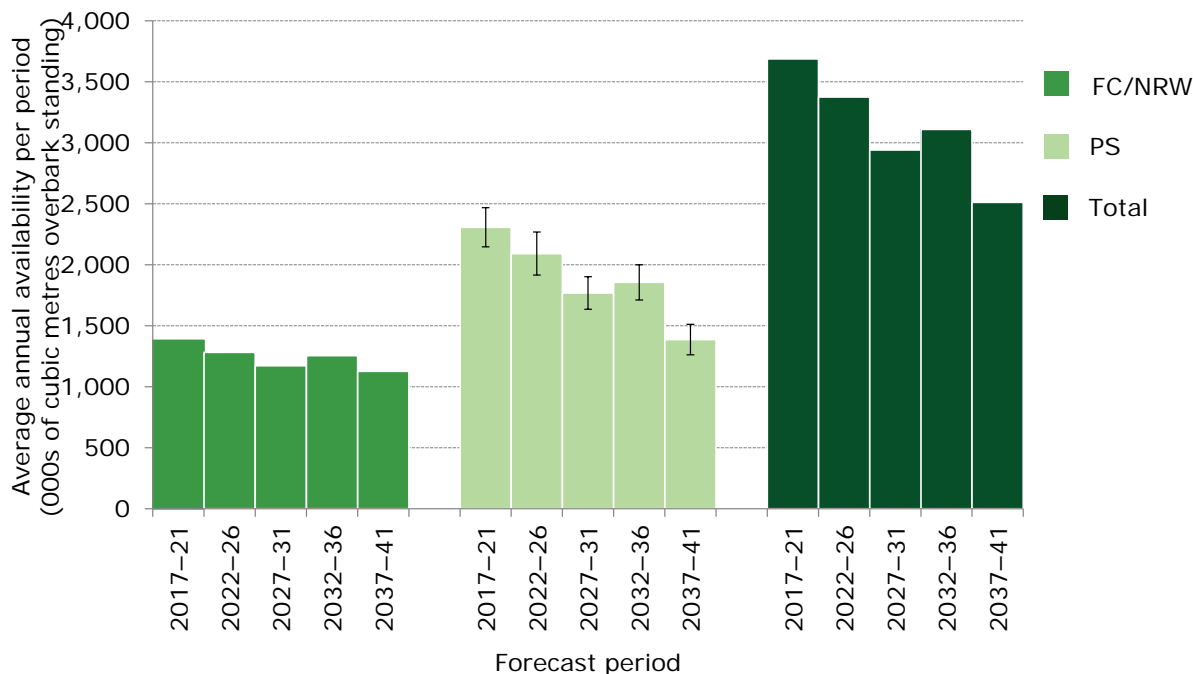


**Figure 4** Overview of 25-year forecast of average annual hardwood availability

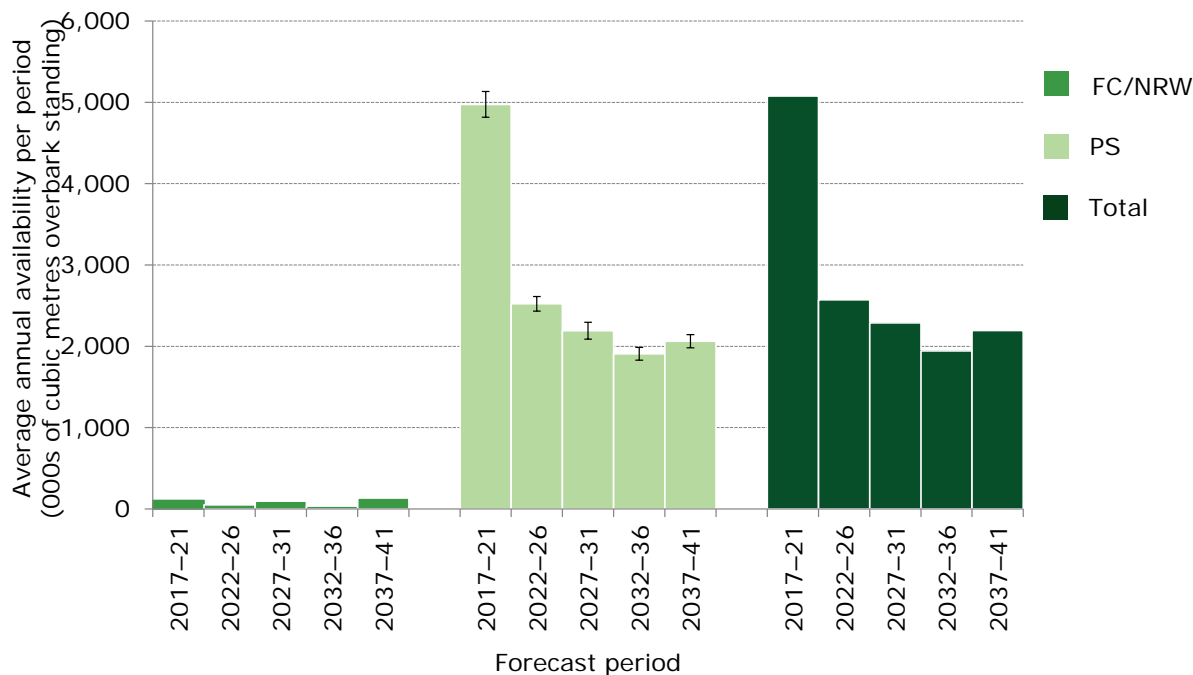


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**Figure 5** 25-year forecast of average annual softwood availability



**Figure 6** 25-year forecast of average annual hardwood availability



## NFI national reports and papers

The principal themes reported on for the 2011 woodland profile and future forecasts are:

- GB 2011 preliminary estimates of broadleaved species
- GB 2011 standing coniferous timber volume
- UK 25-year forecast of softwood availability
- GB 25-year forecast of coniferous standing volume and increment
- Biomass in live woodland trees in Britain
- Carbon in live woodland trees in Britain

The principal themes reported on for the 2012 woodland profile and future forecasts are:

- 50-year forecast of softwood timber availability
- 50-year forecast of hardwood timber availability
- 25-year forecast of softwood availability (2016) update

Each theme has a series of reports, papers and data, tailored for different audiences and uses. All the documents and data can be found on the NFI website

[www.forestry.gov.uk/inventory](http://www.forestry.gov.uk/inventory).

## Glossary

A glossary of terms is presented in the full suite of forecast reports which can be found at [www.forestry.gov.uk/forecast](http://www.forestry.gov.uk/forecast).

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### Reviewed by:

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This report contains a subset of the information provided in the Official Statistics reports *50-year forecast of softwood timber availability* (2014) and *50-year forecast of hardwood timber availability* (2014) publications. More information about Official Statistics and the UK Statistics Authority is available at [www.statisticsauthority.gov.uk](http://www.statisticsauthority.gov.uk)

National Forest Inventory Statistician: Alan Brewer