

NFI provisional estimates for woodland within 25 miles of Sandwich

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Summary

This report provides a detailed picture of stocked area and the standing volume of timber for woodland within a 25 mile radius of Sandwich. 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.forestresearch.gov.uk.

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.forestresearch.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 biomass is described in *Estimate of biomass in live woodland trees*, (2011) (www.forestresearch.gov.uk/forecast).

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 25 miles of Sandwich. 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) estate are derived from their sub-compartment database, while those for the private sector (i.e. non-FC in England) 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 1 – 3** and **Tables 1 – 3**)
- felled area (**Table 4**)
- standing volume at 31 March 2012 (**Figures 4 – 6** and **Tables 5 – 7**)
- above ground biomass stocks at 31 March 2012 (**Figures 7 – 9** and **Table 8**)
- the 25-year timber forecast (**Figures 10 – 13** and **Tables 9 – 10**)
- the 25-year biomass forecast (**Table 11**)

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.

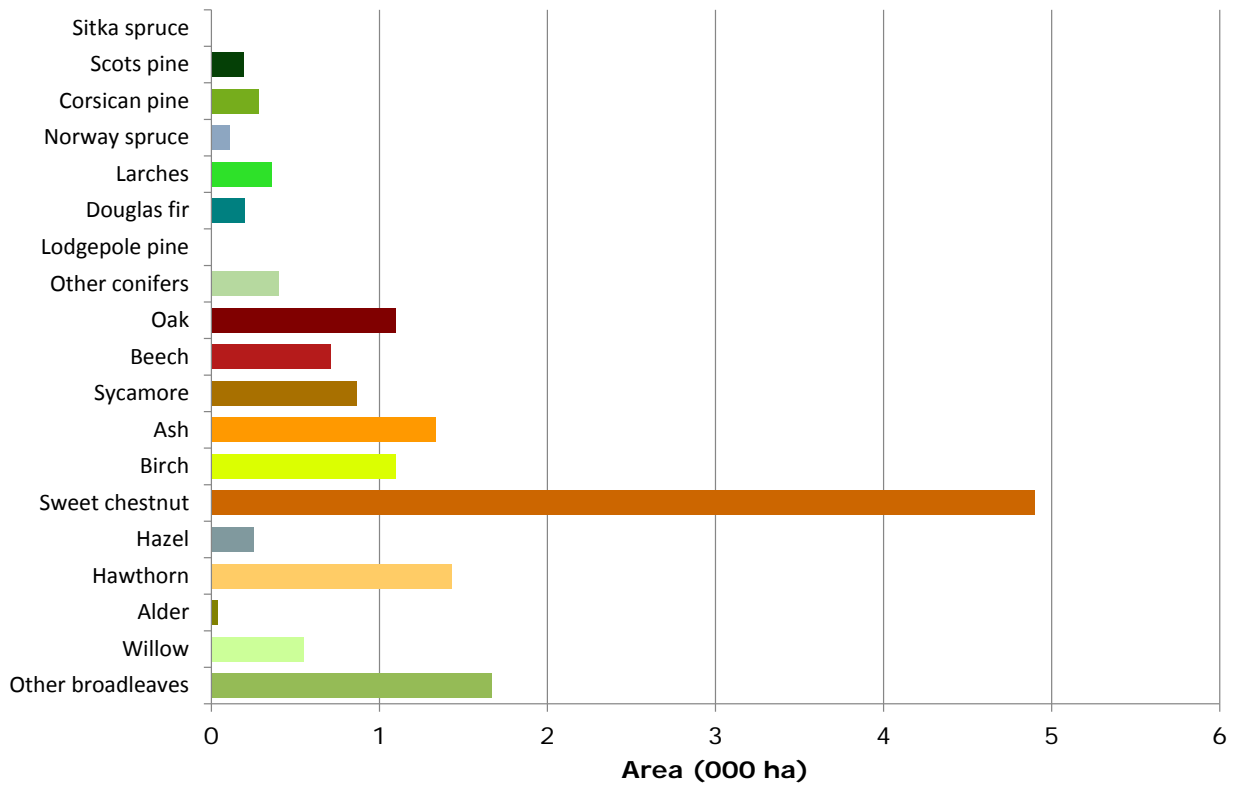
These standard errors depend on the combination of a number of factors but broadly:

- 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) will 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.

In this report, for the 25 mile radius, for some of the variables reported, the categories have been pooled into broader categories to produce figures with more acceptable standard errors.

Net area under canopy at 31 March 2012

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



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Figure 2 Principal conifer tree species composition by stocked area at 31 March 2012

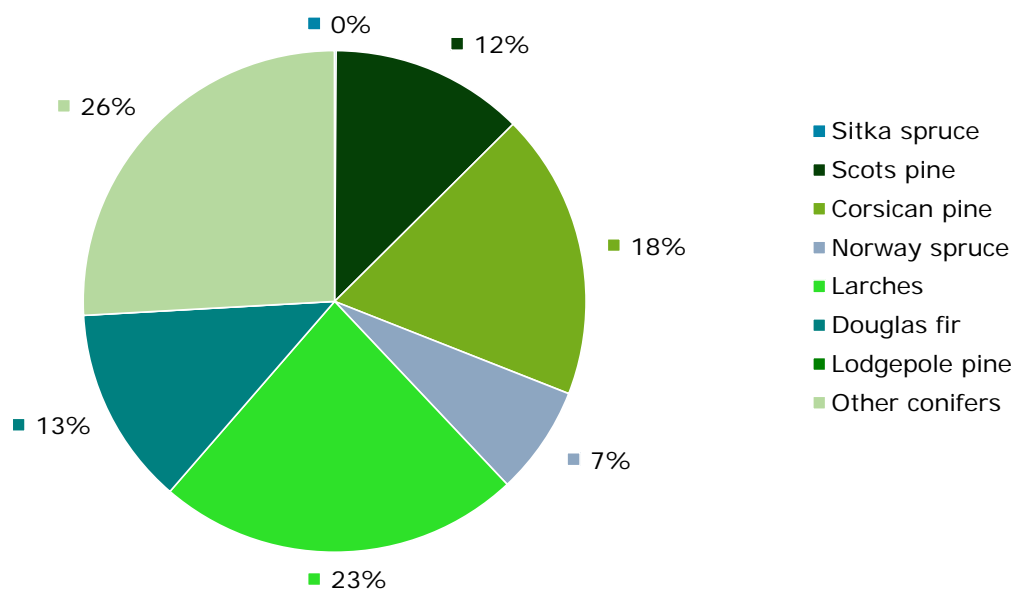
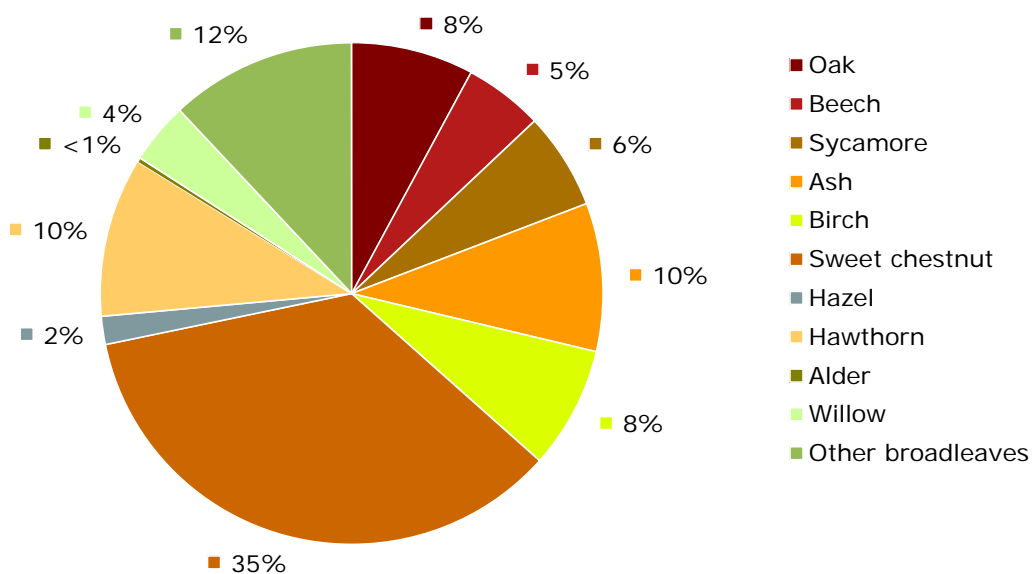


Figure 3 Principal broadleaved tree species by stocked area as at 31 March 2012



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

Principal species	FC	Private sector		Total
	area (000 ha)	area (000 ha)	SE%	area (000 ha)
Conifers				
Sitka spruce	0.0	< 0.1	92	< 0.1
Scots pine	< 0.1	0.2	58	0.2
Corsican pine	0.2	0.1	54	0.3
Norway spruce	0.1	< 0.1	90	0.1
Larches	< 0.1	0.3	42	0.4
Douglas fir	0.2	0.0	-	0.2
Lodgepole pine	0.0	0.0	-	0.0
Other conifers	< 0.1	0.3	50	0.4
All conifers	0.6	0.9	22	1.6
Broadleaves				
Oak	< 0.1	1.1	29	1.1
Beech	0.4	0.3	56	0.7
Sycamore	< 0.1	0.9	45	0.9
Ash	< 0.1	1.3	35	1.3
Birch	0.2	0.9	27	1.1
Sweet chestnut	< 0.1	4.9	18	4.9
Hazel	< 0.1	0.3	25	0.3
Hawthorn	0.0	1.4	45	1.4
Alder	0.0	< 0.1	85	< 0.1
Willow	0.0	0.6	61	0.6
Other broadleaves	< 0.1	1.6	36	1.7
All broadleaves	0.7	13.2	2	14.0
All species				
All species	1.3	14.2	1	15.5

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Table 2 Stocked area by age class at 31 March 2012

Age class	FC	Private sector		Total
	area (000 ha)	area (000 ha)	SE%	area (000 ha)
All conifers				
0–10 years	< 0.1	0.0	-	< 0.1
11–40 years	0.3	0.2	56	0.5
41–60 years	0.3	0.3	44	0.6
61–100 years	< 0.1	0.4	48	0.5
100+ years	< 0.1	0.0	-	< 0.1
Total	0.6	0.9	22	1.6
All broadleaves				
0–10 years	< 0.1	1.0	34	1.0
11–40 years	0.2	7.5	13	7.6
41–60 years	0.2	3.3	22	3.5
61–100 years	0.3	1.4	25	1.7
100+ years	< 0.1	0.1	62	0.1
Total	0.7	13.2	2	14.0
All species				
0–10 years	< 0.1	1.0	34	1.0
11–40 years	0.4	7.7	12	8.1
41–60 years	0.5	3.6	21	4.1
61–100 years	0.4	1.8	22	2.2
100+ years	< 0.1	0.1	62	0.1
Total	1.3	14.2	1	15.5

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

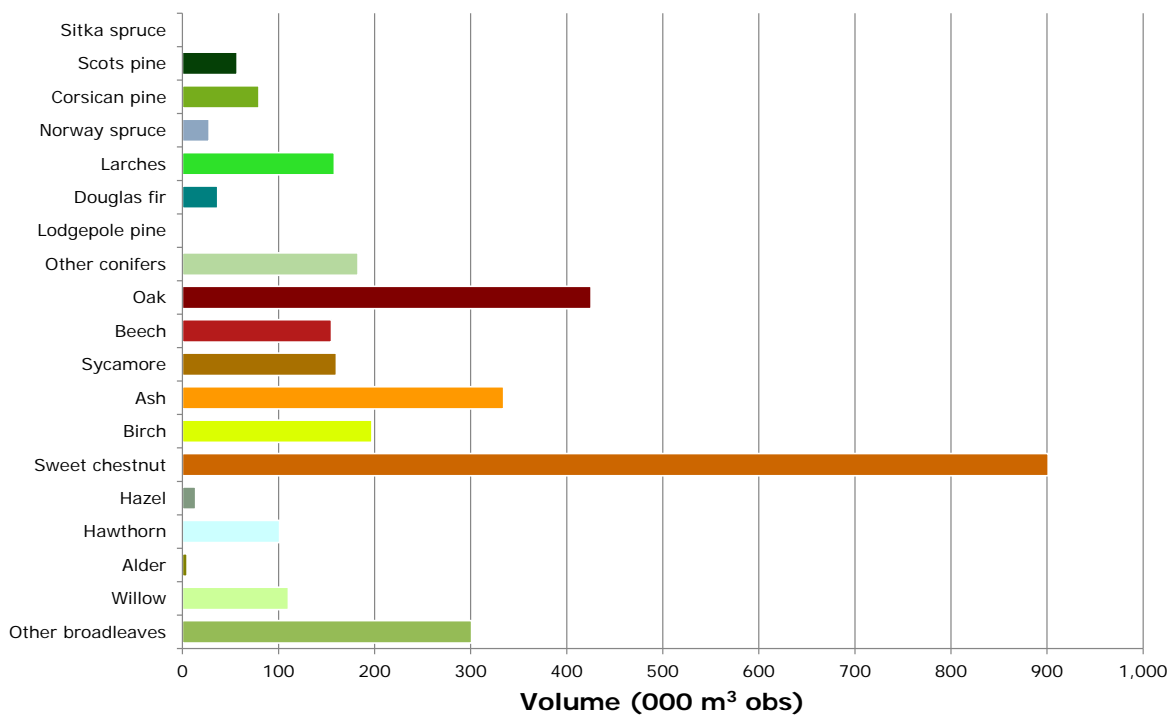
Mean stand DBH	FC	Private sector		Total
	area (000 ha)	area (000 ha)	SE%	area (000 ha)
All conifers				
0–7 cm	< 0.1	0.0	-	< 0.1
7–15 cm	0.2	< 0.1	62	0.2
15–30 cm	0.1	0.6	34	0.7
30–60 cm	0.3	0.3	49	0.6
60+ cm	< 0.1	< 0.1	96	< 0.1
Total	0.6	0.9	22	1.6
All broadleaves				
0–7 cm	< 0.1	1.8	26	1.8
7–15 cm	0.2	6.0	15	6.2
15–30 cm	0.3	3.0	19	3.3
30–60 cm	0.2	2.3	28	2.4
60+ cm	< 0.1	0.2	64	0.2
Total	0.7	13.2	2	14.0
All species				
0–7 cm	< 0.1	1.8	26	1.8
7–15 cm	0.4	6.0	15	6.4
15–30 cm	0.4	3.6	16	4.0
30–60 cm	0.4	2.6	25	3.0
60+ cm	< 0.1	0.2	62	0.2
Total	1.3	14.2	1	15.5

Table 4 Felled area at 31 March 2012

Clearfelled area	FC	Private sector		Total
	area (000 ha)	area (000 ha)	SE%	area (000 ha)
	< 0.1	< 0.1	62	< 0.1

Standing volume at 31 March 2012

Figure 4 Principal tree species composition by standing volume at 31 March 2012



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Figure 5 Principal conifer tree species composition by standing volume at 31 March 2012

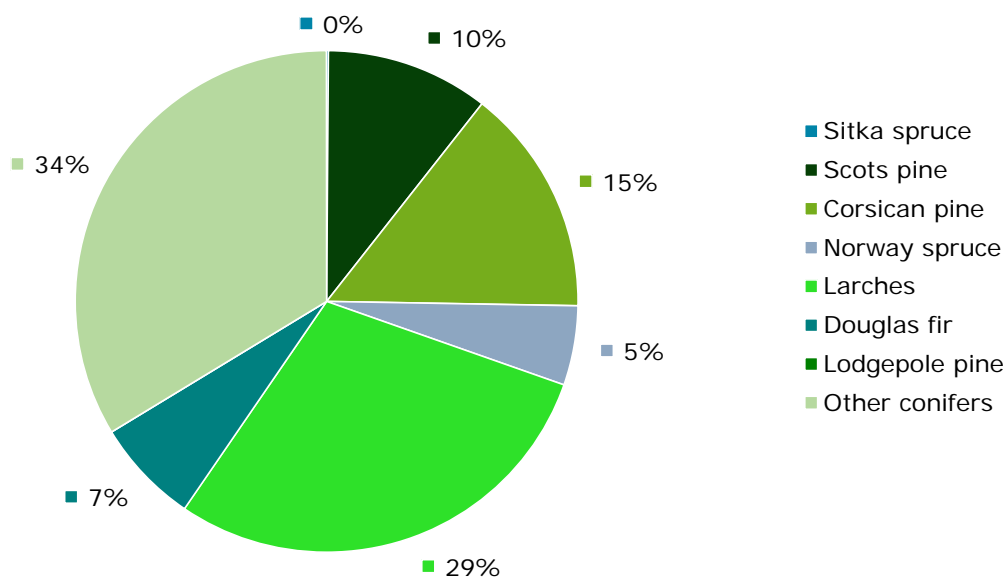
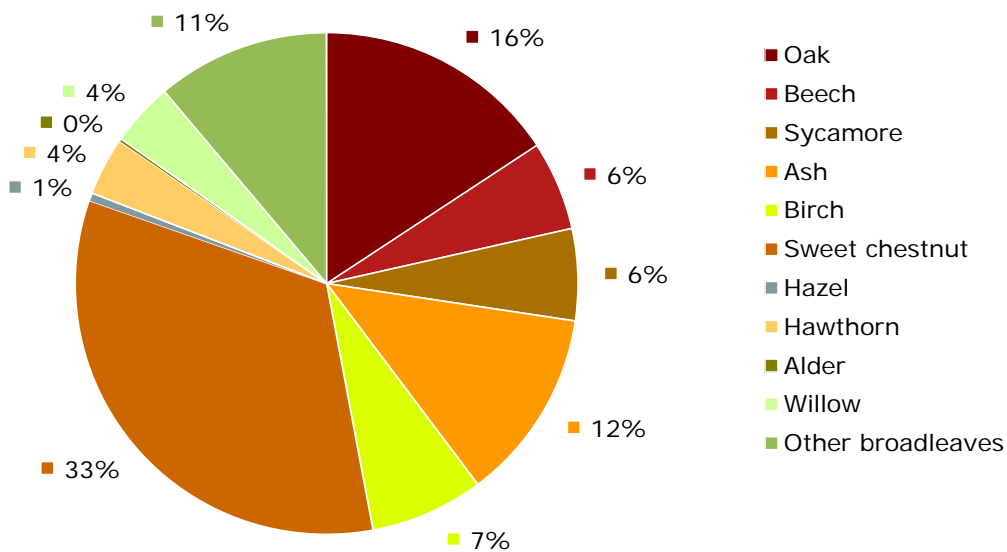


Figure 6 Principal broadleaved tree species composition by standing volume at 31 March 2012



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

Principal species	FC	Private sector		Total
	volume (000 m ³ obs)	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)
Conifers				
Sitka spruce	0	< 1	92	< 1
Scots pine	9	48	60	57
Corsican pine	28	52	59	80
Norway spruce	26	1	90	28
Larches	9	149	46	158
Douglas fir	37	0	-	37
Lodgepole pine	0	0	-	0
Other conifers	18	165	60	183
All conifers	126	416	29	542
Broadleaves				
Oak	4	421	39	425
Beech	73	83	62	155
Sycamore	< 1	160	54	160
Ash	2	332	38	334
Birch	14	183	28	197
Sweet chestnut	3	898	23	901
Hazel	< 1	14	35	14
Hawthorn	0	101	53	101
Alder	0	5	85	5
Willow	0	110	55	110
Other broadleaves	5	297	38	301
All broadleaves	101	2,607	13	2,708
All species				
All species	228	3,024	12	3,252

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Table 6 Standing volume by age class at 31 March 2012

Age class	FC	Private sector		Total
	volume (000 m ³ obs)	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)
All conifers				
0–10 years	< 1	0	-	< 1
11–40 years	30	64	52	94
41–60 years	78	145	53	223
61–100 years	18	207	61	224
100+ years	< 1	0	-	< 1
Total	126	416	29	542
All broadleaves				
0–10 years	0	< 1	92	< 1
11–40 years	5	1,362	21	1,367
41–60 years	28	661	24	689
61–100 years	66	535	34	600
100+ years	3	49	65	52
Total	101	2,607	13	2,708
All species				
0–10 years	< 1	< 1	92	< 1
11–40 years	35	1,427	20	1,462
41–60 years	106	807	22	913
61–100 years	83	741	30	824
100+ years	3	49	65	53
Total	228	3,024	12	3,252

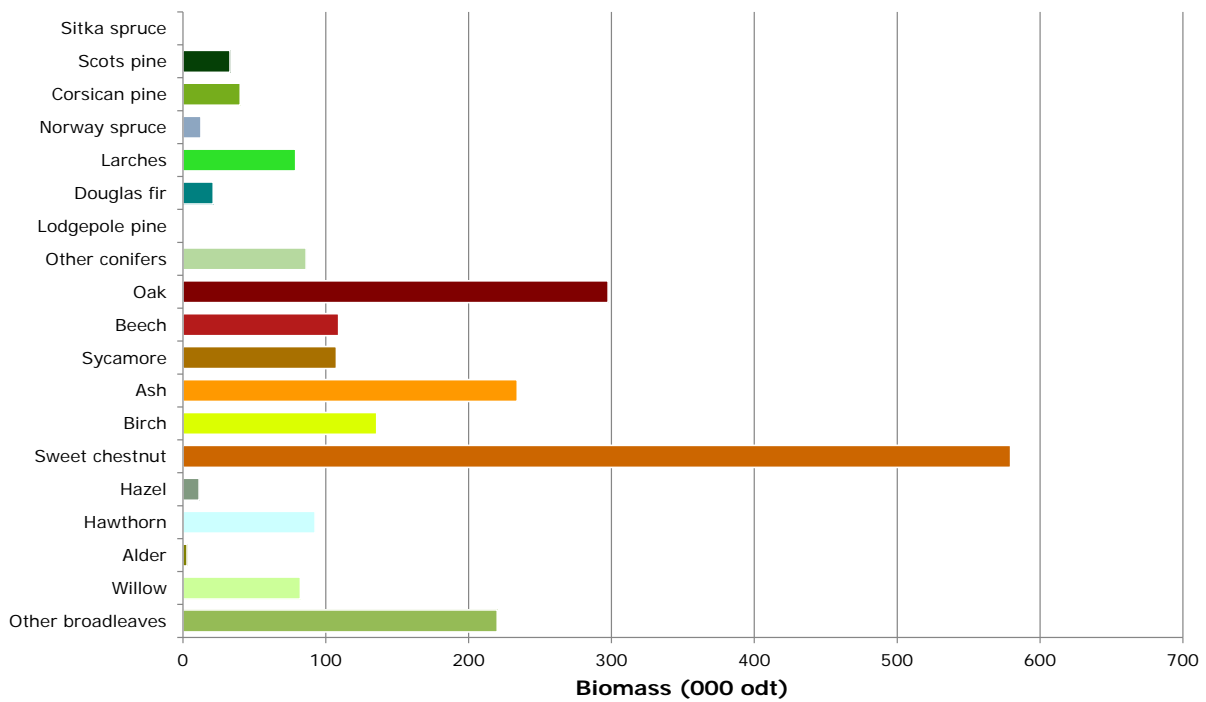
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Table 7 Standing volume by mean dbh class at 31 March 2012

Mean stand DBH	FC	Private sector		Total
	volume (000 m ³ obs)	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)
All conifers				
0–7 cm	0	0	-	0
7–15 cm	20	< 1	68	20
15–30 cm	28	259	50	286
30–60 cm	76	140	55	216
60+ cm	3	17	96	20
Total	126	416	29	542
All broadleaves				
0–7 cm	< 1	26	45	26
7–15 cm	20	690	18	710
15–30 cm	47	1,157	26	1,205
30–60 cm	34	523	27	557
60+ cm	< 1	211	74	211
Total	101	2,607	13	2,708
All species				
0–7 cm	< 1	26	45	26
7–15 cm	39	691	18	730
15–30 cm	75	1,417	23	1,492
30–60 cm	110	663	24	774
60+ cm	3	228	69	230
Total	228	3,024	12	3,252

Above ground biomass at 31 March 2012

Figure 7 Principal tree species composition by above ground biomass at 31 March 2012



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Figure 8 Principal conifer tree species composition by above ground biomass at 31 March 2012

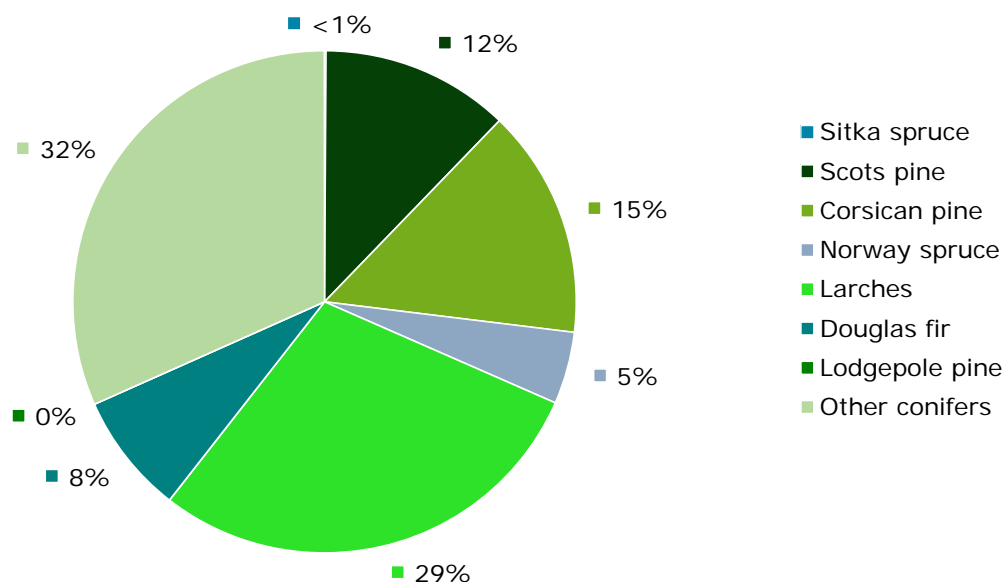
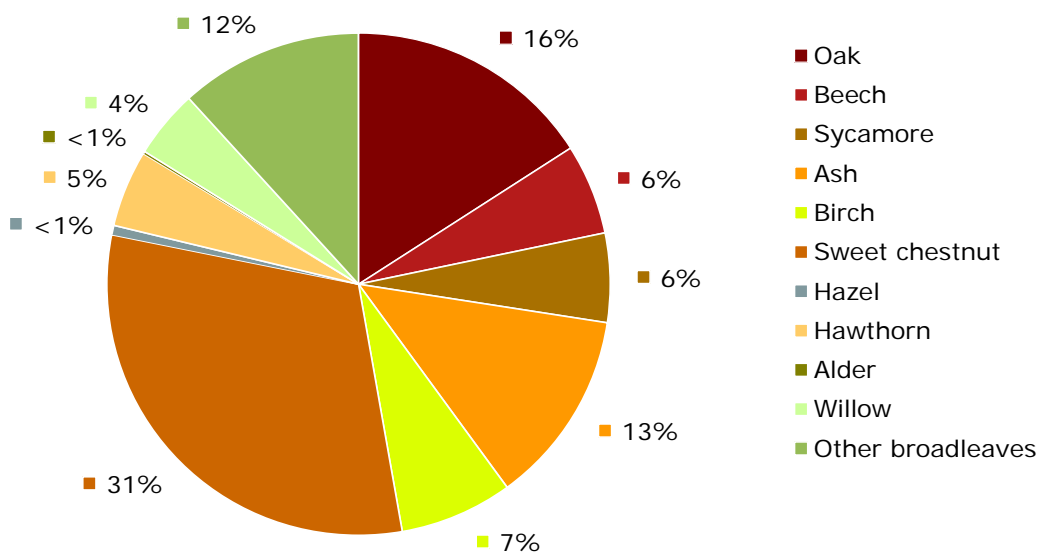


Figure 9 Principal broadleaved tree species composition by above ground biomass at 31 March 2012



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Table 8 Biomass stock (above ground) by principal tree species as at 31 March 2012

Principal species	FC	Private sector		Total
	biomass (000 odt)	biomass (000 odt)	SE%	biomass (000 odt)
Conifers				
Sitka spruce	0	< 1	92	< 1
Scots pine	5	28	60	33
Corsican pine	15	25	58	40
Norway spruce	12	< 1	90	13
Larches	4	74	47	79
Douglas fir	21	0	-	21
Lodgepole pine	0	0	-	0
Other conifers	8	78	56	86
All conifers	66	206	27	272
Broadleaves				
Oak	3	294	38	298
Beech	52	57	60	109
Sycamore	< 1	107	51	107
Ash	2	232	38	234
Birch	11	124	27	136
Sweet chestnut	2	577	22	579
Hazel	< 1	11	34	11
Hawthorn	0	92	50	92
Alder	0	3	85	3
Willow	0	82	54	82
Other broadleaves	3	216	39	220
All broadleaves	74	1,803	12	1,877
All species				
All species	140	2,010	11	2,150

25-year forecast of 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 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 and GB context.

In **Tables 9 – 11** and **Figures 10 – 13** the estimates for the Forestry Commission are based on harvesting regimes derived from their felling and thinning plans as of 31 March 2012.

For the Private sector, information for **Tables 9 – 11** and **Figures 10 – 13** 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 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 9 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	Private sector		Total	FC	Private sector		Total	FC	Private sector		Total
	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)
All conifers	6	21	32	27	5	11	41	16	8	10	41	19
Sitka spruce	0	0	-	0	0	0	-	0	0	0	-	0
Scots pine	< 1	1	59	2	< 1	1	59	2	< 1	1	59	2
Corsican pine	1	2	48	4	1	< 1	74	2	2	< 1	75	3
Norway spruce	1	0	-	1	1	0	-	1	2	0	-	2
Larches	< 1	13	51	14	< 1	4	62	5	< 1	4	61	5
Douglas fir	2	0	-	2	2	0	-	2	3	0	-	3
Lodgepole pine	0	0	-	0	0	0	-	0	0	0	-	0
Other conifers	< 1	4	86	5	< 1	4	86	4	< 1	4	86	5
All broadleaves	3	107	10	110	< 1	103	22	103	3	62	11	65
Oak	< 1	2	38	3	< 1	3	37	3	< 1	3	37	3
Beech	3	1	58	4	< 1	14	81	14	3	< 1	50	3
Sycamore	< 1	14	64	14	0	5	44	5	< 1	7	70	7
Ash	< 1	19	32	19	0	36	56	36	< 1	2	51	2
Birch	< 1	18	32	18	< 1	4	32	4	< 1	8	60	8
Sweet chestnut	< 1	28	21	28	< 1	24	20	24	< 1	25	20	25
Hazel	0	1	44	1	0	< 1	26	< 1	0	1	40	1
Hawthorn	0	4	46	4	0	4	47	4	0	3	48	3
Alder	0	< 1	85	< 1	0	< 1	85	< 1	0	1	85	1
Willow	0	5	74	5	0	2	59	2	0	1	50	1
Other broadleaves	< 1	15	44	15	< 1	8	36	8	< 1	7	40	8
All species	9	128	10	137	5	114	20	119	12	72	11	84

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Table 9 (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				
	FC	Private sector		Total	FC	Private sector		Total
	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)	volume (000 m ³ obs)	volume (000 m ³ obs)	SE%	volume (000 m ³ obs)	
All conifers	10	11	37	21	9	17	49	26
Sitka spruce	< 1	< 1	86	< 1	< 1	< 1	47	< 1
Scots pine	< 1	1	60	2	< 1	9	75	9
Corsican pine	3	< 1	75	4	3	< 1	80	3
Norway spruce	2	< 1	90	3	2	< 1	86	2
Larches	< 1	4	62	5	< 1	6	81	6
Douglas fir	3	< 1	86	3	3	< 1	77	3
Lodgepole pine	0	0	-	0	0	< 1	86	< 1
Other conifers	< 1	4	86	5	< 1	< 1	79	2
All broadleaves	< 1	73	17	73	3	79	15	82
Oak	< 1	14	74	14	< 1	16	46	16
Beech	0	< 1	50	< 1	3	< 1	50	3
Sycamore	0	6	61	6	< 1	3	80	3
Ash	< 1	8	59	8	< 1	3	38	3
Birch	< 1	2	41	2	< 1	1	32	2
Sweet chestnut	< 1	27	20	27	< 1	28	20	28
Hazel	0	2	37	2	0	2	47	2
Hawthorn	0	3	53	3	0	3	53	3
Alder	0	< 1	85	< 1	0	0	-	0
Willow	0	1	51	1	0	13	77	13
Other broadleaves	< 1	7	44	7	< 1	7	41	7
All species	10	84	16	94	12	96	15	108

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Table 10 25-year forecast of timber availability by period, top-diameter class and conifer or broadleaves

Top diameter class (cm)	2017–21			2022–26			2027–31			2032–36			2037–41		
	FC	Private sector		FC	Private sector		FC	Private sector		FC	Private sector		FC	Private sector	
	(000 m ³)	(000 m ³)	SE%	(000 m ³)	(000 m ³)	SE%	(000 m ³)	(000 m ³)	SE%	(000 m ³)	(000 m ³)	SE%	(000 m ³)	(000 m ³)	SE%
All conifers															
7–14	2	3	40	1	< 1	44	< 1	< 1	43	< 1	< 1	30	< 1	< 1	27
14–16	< 1	2	43	< 1	< 1	47	< 1	< 1	47	< 1	< 1	37	< 1	< 1	29
16–18	< 1	2	41	< 1	< 1	46	< 1	< 1	47	< 1	< 1	42	< 1	< 1	33
18–24	< 1	7	38	< 1	4	51	1	3	53	2	3	48	2	1	39
24–34	2	4	44	1	3	48	2	3	46	3	4	44	2	3	45
34–44	< 1	1	69	< 1	< 1	72	1	< 1	64	2	1	58	1	3	57
44–54	< 1	< 1	64	< 1	< 1	67	< 1	< 1	68	< 1	< 1	70	< 1	2	62
54+	< 1	< 1	78	< 1	< 1	75	< 1	< 1	72	< 1	< 1	69	1	6	64
Total	6	21	32	5	11	41	8	10	41	10	11	37	9	17	49

Top diameter class (cm)	2017–21			2022–26			2027–31			2032–36			2037–41		
	FC	Private sector		FC	Private sector		FC	Private sector		FC	Private sector		FC	Private sector	
	(000 m ³)	(000 m ³)	SE%	(000 m ³)	(000 m ³)	SE%	(000 m ³)	(000 m ³)	SE%	(000 m ³)	(000 m ³)	SE%	(000 m ³)	(000 m ³)	SE%
All broadleaves															
7–14	< 1	38	12	< 1	30	11	< 1	24	10	< 1	25	14	< 1	21	12
14–16	< 1	8	17	0	7	18	< 1	8	15	< 1	7	18	< 1	5	11
16–18	< 1	8	18	0	7	24	< 1	8	16	< 1	8	18	< 1	6	13
18–24	< 1	19	14	0	21	33	< 1	15	17	< 1	17	20	< 1	19	17
24–34	< 1	18	25	0	23	45	1	5	18	< 1	11	47	1	18	31
34–44	< 1	9	34	0	8	48	< 1	< 1	36	0	3	55	< 1	6	37
44–54	< 1	4	37	0	4	65	< 1	< 1	45	0	< 1	34	< 1	2	49
54+	< 1	3	45	0	3	66	< 1	< 1	60	0	< 1	66	< 1	2	55
Total	3	107	10	< 1	103	22	3	62	11	< 1	73	17	3	79	15

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Figure 10 Overview of 25-year forecast of average annual softwood availability

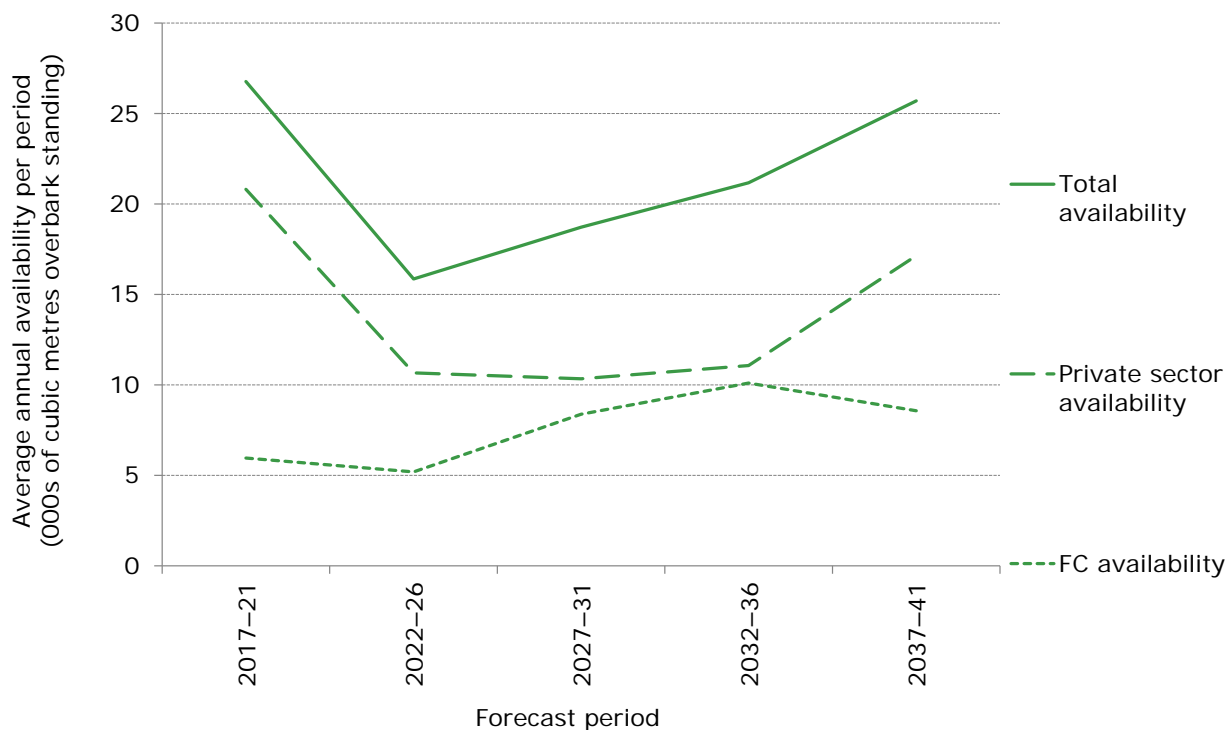
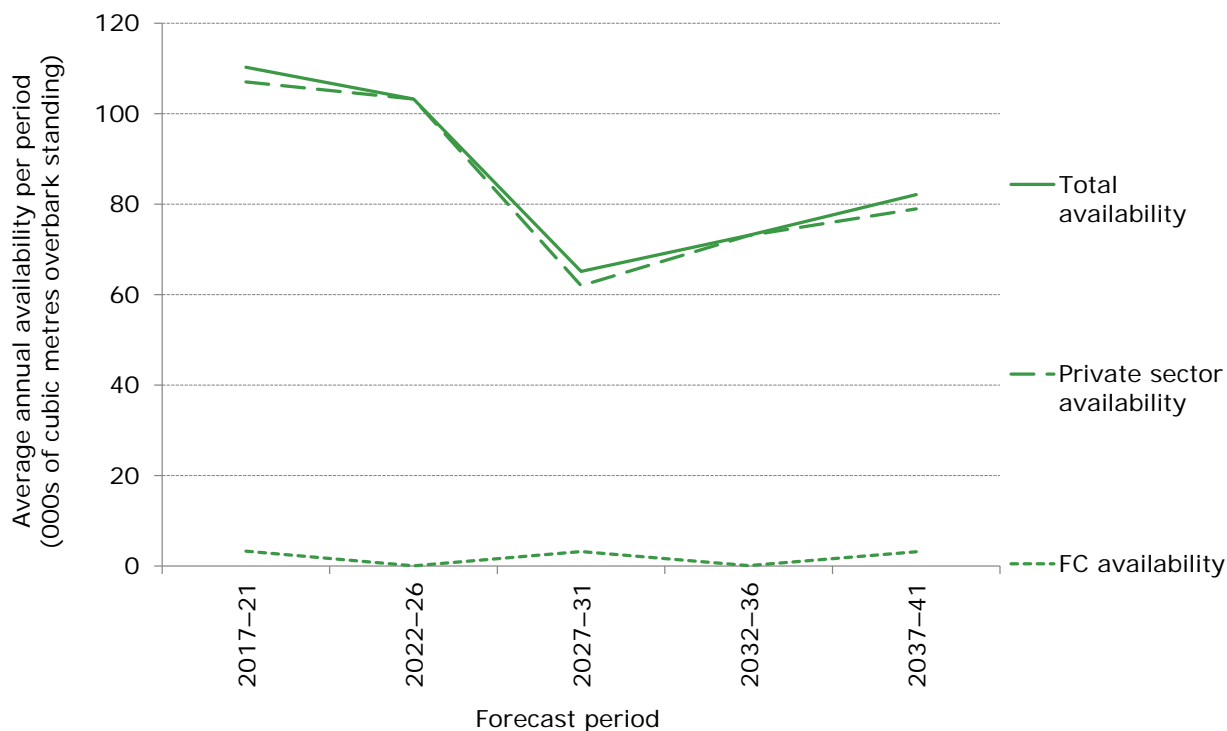


Figure 11 Overview of 25-year forecast of average annual hardwood availability



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Figure 12 25-year forecast of average annual softwood availability

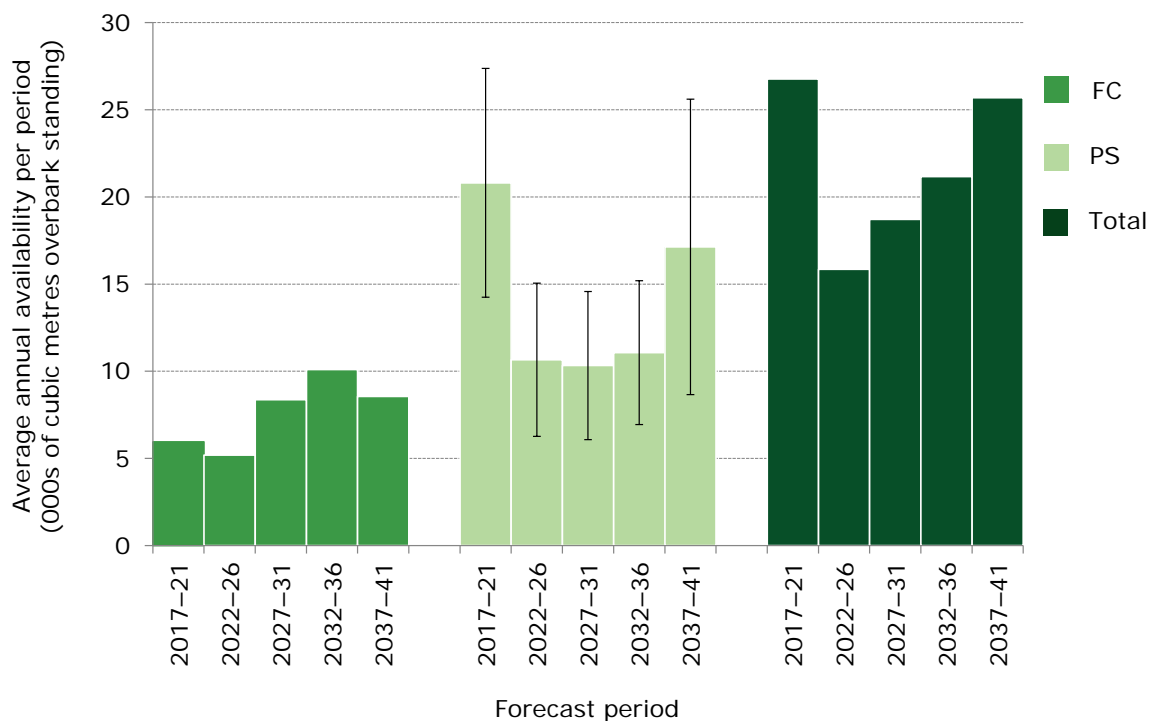
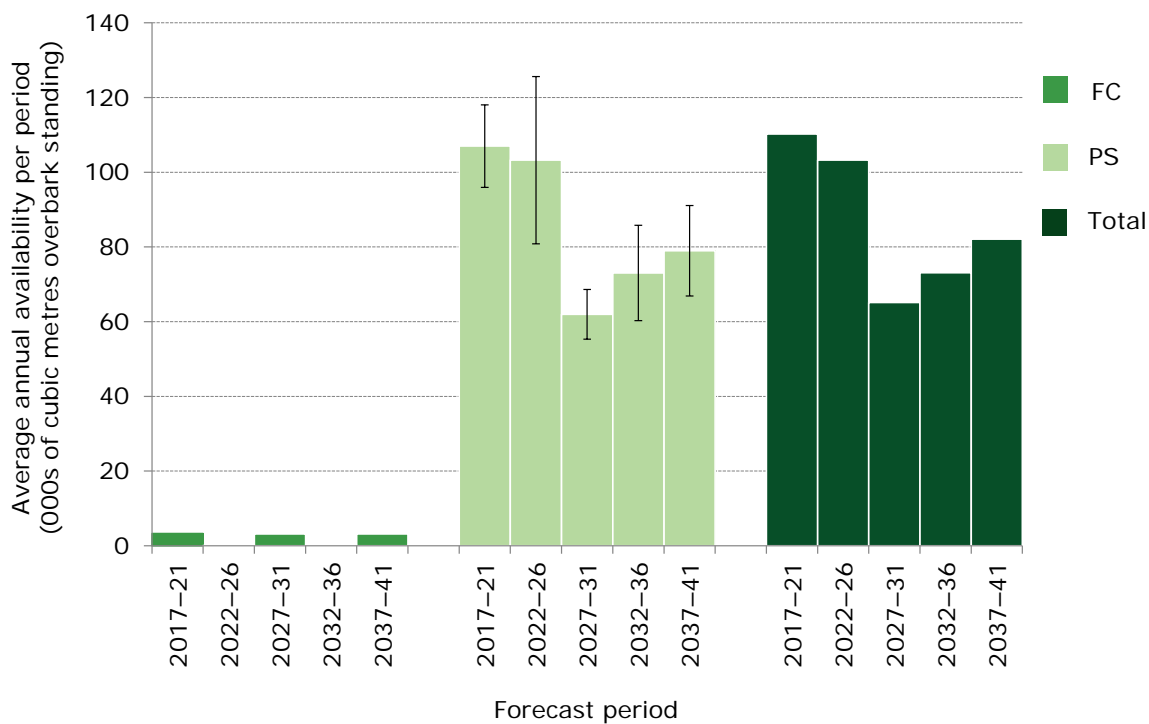


Figure 13 25-year forecast of average annual hardwood availability



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25-year forecast of biomass availability

Table 11 25-year forecast of biomass availability by period, product category and conifer or broadleaves

Product category	2017–21			2022–26			2027–31			2032–36			2037–41		
	FC	Private sector		FC	Private sector		FC	Private sector		FC	Private sector		FC	Private sector	
	(000 odt)	(000 odt)	SE%	(000 odt)	(000 odt)	SE%	(000 odt)	(000 odt)	SE%	(000 odt)	(000 odt)	SE%	(000 odt)	(000 odt)	SE%
All conifers															
stump	< 0.1	0.2	34	< 0.1	< 0.1	37	< 0.1	< 0.1	36	< 0.1	< 0.1	31	< 0.1	0.1	49
stem	2.2	8.1	31	2.0	4.2	40	3.2	4.1	40	3.8	4.4	37	3.2	7.1	50
tips	0.1	0.2	35	< 0.1	< 0.1	41	< 0.1	< 0.1	42	< 0.1	< 0.1	37	< 0.1	< 0.1	41
branches	0.5	1.2	33	0.4	0.5	37	0.7	0.5	37	0.8	0.6	31	0.7	1.3	60
Total	2.9	9.7	26	2.5	4.9	35	4.0	4.8	34	4.8	5.1	32	4.0	8.7	42

Product category	2017–21			2022–26			2027–31			2032–36			2037–41		
	FC	Private sector		FC	Private sector		FC	Private sector		FC	Private sector		FC	Private sector	
	(000 odt)	(000 odt)	SE%	(000 odt)	(000 odt)	SE%	(000 odt)	(000 odt)	SE%	(000 odt)	(000 odt)	SE%	(000 odt)	(000 odt)	SE%
All broadleaves															
stump	< 0.1	1.5	8	< 0.1	1.3	19	< 0.1	0.9	11	< 0.1	1.0	17	< 0.1	1.0	14
stem	1.7	51.1	10	< 0.1	51.3	23	1.7	29.1	11	< 0.1	35.6	19	1.7	39.2	17
tips	< 0.1	4.1	13	< 0.1	2.9	14	< 0.1	2.5	12	< 0.1	3.0	15	< 0.1	2.4	14
branches	0.4	13.9	10	< 0.1	13.0	20	0.4	7.6	10	< 0.1	8.6	15	0.4	9.3	14
Total	2.3	70.5	8	< 0.1	68.6	18	2.2	40.2	8	< 0.1	48.2	14	2.2	51.9	13

Note that the stump + stem above refer to the same part of the tree as the volume to 7cm.

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.forestresearch.gov.uk/inventory.

Glossary

A glossary of terms is presented in the full suite of forecast reports which can be found at www.forestresearch.gov.uk/forecast.

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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

National Forest Inventory Statisticians: David Ross, Neil Bennett