

Environmental Status Report – the Public Forest Estate in England

ANNEX 1

Map 1

Forestry Commission Public Forest Estate within Forest Districts and Regional Boundaries.

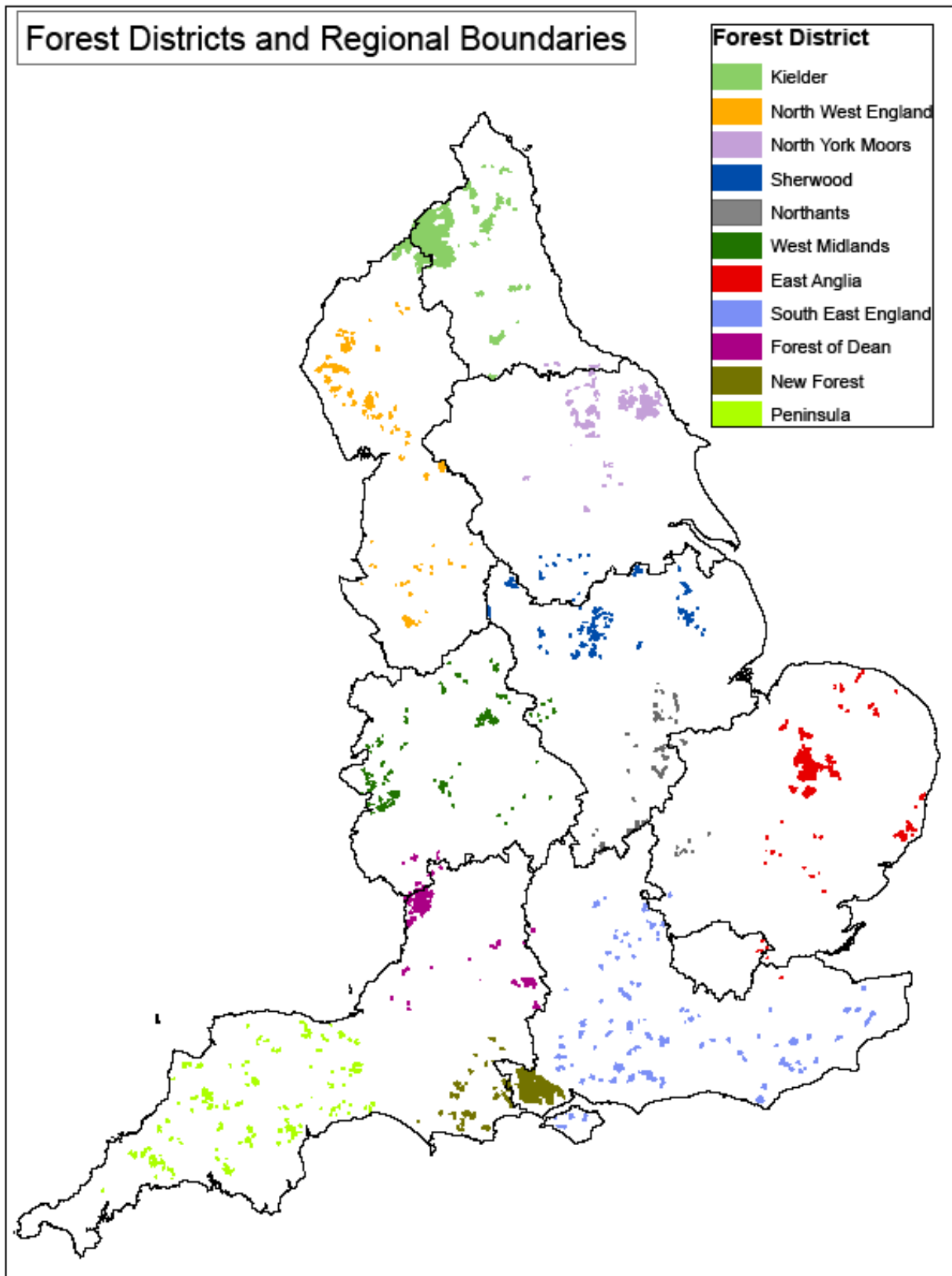


Table 2
Ancient Woodland

Forest District	Total Woodland	Ancient Woodland (2002)	ASNW	PAWS
East Anglia	23,712	882	273	594
Forest of Dean (excluding statutory inclosures)	15,048	6,239	2,004	4,071
Kielder	60,110	1,022	82	844
New Forest Ancient & Ornamental	-	3,692	3,692	-
New Forest District (excluding statutory inclosures)	21,018	1,372	99	1,273
North West England	11,737	1,830	596	1,163
North York Moors	19,043	2,269	531	1,738
Northants	7,407	7,312	3,025	3,650
Peninsula	15,146	4,492	536	3,778
Sherwood	11,536	3,036	1,069	1,869
South East England	21,635	14,346	2,849	11,278
West Midlands	12,751	6,636	1,196	5,168
Total	219,143	53,128	15,952	35,426
% woodland area	100	24		

Source: Ancient Woodland on the Forestry Commission Estate in England (Spencer, 2002)

**Table 3
Plantations on Ancient Woodland Sites (PAWS)**

Forest District	Semi-naturalness class (ha) ¹								Total area (ha)	
	1		2		3		4			
	2002	2009	2002	2009	2002	2009	2002	2009	2002	2009
East Anglia	273	341	44	54	240	116	310	275	867	786
Forest of Dean District *	2004	2642	497	490	691	687	2883	2393	6075	6212
Kielder	82	172	31	24	49	119	764	654	926	970
New Forest A&O **	3692	3692	0	0	0	0	0	0	3692	3692
New Forest District *	99	308	92	201	142	187	1039	528	1372	1224
North West	596	776	155	224	191	242	817	566	1759	1808
North York Moors	531	499	258	189	335	303	1145	1171	2269	2162
Northants	3025	2754	632	658	1397	816	1621	1218	6675	5447
Peninsula	536	659	223	172	297	620	3258	2912	4314	4364
Sherwood	1069	1078	232	252	523	401	1114	1201	2938	2933
South East England	2849	3770	1689	875	2049	1095	7540	7757	14127	13497
West Midlands	1196	1107	276	344	634	636	4258	4461	6364	6548
Westonbirt		44		45				66		109
England Total (ha)	15952	17842	4129	3528	6548	5222	24749	23202	51378	49752

* Excludes the Statutory Inclosures of the Forest of Dean and New Forest

** Ancient and Ornamental woodlands - the total area assumed native, figure not derived from SCDB Query

Source: Forestry Commission sub-compartment database, April 2009

¹ Stands have been assigned a semi-naturalness class according to the following criteria:

Semi Naturalness Class	Criteria
1 Semi-natural	Sub-compartments with a canopy cover of more than 80% native species. This category also includes pre-1930 beech woodlands within their natural range.
2 Reasserting Semi-natural	Sub-compartments with more than 50% and less than or equal to 80% native canopy species.
3 Plantation 1	Sub-compartments with more than 20% and less than or equal to 50% native canopy species.
4 Plantation 2	Sub-compartments with less than 20% native species. This category also includes all beech plantations outside their natural range.
0 Open Space	Open space within Ancient Woodlands

Table 4
Open Priority Habitat Types

APRIL 2009 HABITATS														
OPEN PRIORITY HABITATS	Calcareous grassland (lowland & upland)	Lowland dry acid grassland	Lowland Heath	Upland Heath	Meadows*	Blanket Bog	Purple Moor Grass	Eutrophic Lakes	Mesotrophic Lakes	Chalk Rivers	Reedbeds	Fens	OTHER**	Total Open Priority Habitat
Sherwood			247.5	897.0	1.6			0.7						1146.8
East Anglia	9.3	0.4	728.7	0.6	16.0			4.2		1.8	4.1	94.1	1.7	860.9
Northants	2.7	19.6	0.6		13.8			0.2						36.9
Kielder		1.9		2220.4	13.4	6254.5			0.6		3.4			8494.2
Lakes	162.8			2482.6	32.0			37.7	28.9				38.6	2782.6
North York Moors	44.6	35.7	55.7	854.3	4.6	79.2		0.6	2.4			11.1	2.4	1090.6
South East England	127.6	3.2	178.3		43.0			1.5					16.4	370
New Forest	1.4	33.8	1689.7					0.4				0.3		1725.6
West Midlands		8.8	63.2	5.6	34.5			4.5			2.8		0.8	120.2
Peninsula	0.3	30.3	106.5	50.0	3.9	1.6	35.2	4.5	0.3					232.6
Forest of Dean	2.0	11.7	58.7				0.3	19.6					1.3	93.6
Total open habitat type	350.7	145.4	3128.9	6510.5	130.8	6367.3	35.5	73.9	32.2	1.8	10.3	105.3	61.2	16,954

* Includes Upland Hay Meadows and Lowland Meadows

** Includes Limestone Pavement, Maritime Cliffs, Hedgerows, Cereal Field Margins, Lowland Raised Bog

APRIL 2004 HABITATS

OPEN PRIORITY HABITATS	Calcareous grassland (lowland & upland)	Lowland dry acid	Lowland Heath	Upland Heath	Meadows*	Blanket Bog	Purple Moor Grass	Eutrophic Lakes	Mesotrophic Lakes	Chalk Rivers	Reedbeds	Fens	Other**	Total Open Priority Habitat
Sherwood			226	873.2	1.3					1.8				1102.3
East Anglia	0.6		617.2		18.5			4.2			3.9	95.7	1.7	741.8
Northants	6.4	19.4												25.8
Kielder				2188.7	13.4	5989.8			0.6					8192.5
Lakes	142.2			2261.5				36.1						2439.8
North York Moors	45.8	48	22.5	837.8		86.2		0.6	2.4			12.4	43.1	1098.8
South East England	58.3		130		33.3			1.6					16.4	239.6
New Forest		1.5	1076.5					0.4						1078.4
West Midlands		10.5	68.6	25.4	33.1			7.5			2.1		0.7	147.9
Peninsula	1.4	30.1	85	41	3.8		35	4.1						200.4
Forest of Dean	5.5	14.5	46.1					18.9						85
Total habitat type	260.2	124	2271.9	6227.6	103.4	6076	35	73.4	3	1.8	6	108.1	61.9	15352.3

Source: FC England sub-compartment database

**Table 5
Open Broad Habitat Types**

APRIL 2009 HABITATS															
OPEN BROAD HABITATS	Arable & Horticulture	Acid grassland	Bracken	Fen, Marsh, Swamp	Bogs	Built Up	Inland Rock	Improved Grassland	Neutral grassland	Boundary and Linear features	Calcareous Grassland	Open Water/ Rivers	Dwarf Shrub Heath	Unknown Habitat	TOTAL
Sherwood	1.4	46.4				35.9	1.0	46.6	0.6			10.9		467.7	610.5
East Anglia	0.6	12.6	15.8	0.6		134.0	12.6	27.7	74.7	4.1	8.9	14.3	0.7	583.4	890
Northants						32.6	2.8		59.0	1.2	24.4	4.3		33.7	158
Kielder		2842.6			479.7	92.1	71.3	481.2	3.3	76.5		37.1		277	4360.8
Lakes	130.4	1636	9.7	1.4	46.2	30.9	10.7	80.0			43.4	31.2		469.4	2489.3
North York Moors	67.7	268.3	4.9			49.3	10.7	179.3	221.8			6.2	1.2	240.3	1049.7
South East England	28.5		0.6			139.6	40.2	145.3	33.0	3.6	3.2	15.4	1.3	189.4	600.1
New Forest	308.6				8.8	171.0	14.9	10.9				3.0		12634.4	13151.6
West Midlands		53.3	2.4		0.7	38.7	101.0	97.6	71.4			8.1	4.8	100.2	478.2
Peninsula	28	204.5	12.2	9.2	14.6	44.1	7.0	135.4	7.0	56.0		1.1		41.1	560.2
Forest of Dean	36.4	136.6	281.1	5.6	1.8	68.0	101.3	46.9	22.2	29.0	12.3	10.8		16.6	768.6
Total habitat type	601.6	5200.3	326.7	16.8	551.8	836.2	373.5	1250.9	493	170.4	92.2	142.4	8	15053.2	25117

APRIL 2004 HABITATS															
OPEN BROAD HABITATS	Arable & Horticulture	Acid grassland	Bracken	Fen, Marsh, Swamp	Bogs	Built Up	Inland Rock	Improved Grassland	Neutral grassland	Boundary and Linear features	Calcareous Grassland	Open Water/ Rivers	Unknown Habitat	TOTAL	
Sherwood						35.3	1					8.9	813.1	858.3	
East Anglia	0.6					125.3	25.9	23.4	3.6				728.3	907.1	
Northants						21.7	2.8						148.4	172.9	
Kielder		847				90.4	47.7	463.8	3.3			8.8	6939.3	8400.3	
Lakes	89.7	476.5	11.5		34.3	26.3	18.3				15.2	32.5	1308.9	2013.2	
North York Moors	66.5	301	6			60.4	14.4	233.7	182.1				168.2	1032.3	
South East England	0.7					113.4	81.5	3.7	8.4	3.6			617.5	828.8	
New Forest	348					174.5	14.7						13138.8	13676	
West Midlands		17.2	1.5		0.5	31.8	85.2	40.6	59			3.6	194.2	433.6	
Peninsula	0.3	191.8	2.8	7.7	6.4	70.4	8.3	134.7	3.3				330	755.7	
Forest of Dean	7.7	8.4	9.1	0.9		79.5	68.3		13.2			6.3	742.4	935.8	
Total habitat type	513.5	1841.9	30.9	8.6	41.2	829	368.1	899.9	272.9	3.6	15.2	60.1	25129.1	30014	

Source: FC England sub-compartment database

**Table 6
Wooded Habitats**

APRIL 2009 HABITATS											
WOODED HABITATS	Upland oak	Upland Ash	Lowland Mixed	Lowland Beech	Wet Woodland	Wood Pasture	Upland Birchwood	Total NW HAP	Broadleaf	Conifer	Total Woodland
Sherwood	15.6		3035.2		45.7	15.2		3112	2239.7	7191.8	15655.2
East Anglia			898.1	22.7	165.1	1.5		1087	3120.7	19249.9	24545
Northants	1.2		3702.7	1.6	6.2	39.8		3752	2193.5	1597.1	11294.1
Kielder	51.6	3.1	127.5	2.9	28.4		32.9	246	2677.8	56755.3	59925.5
Lakes	448.6	209.8	58.8		22.7		95.6	836	2333.6	8779.2	12784.3
North York Moors	162.9	29.4	187.0		35.0	12.0	9.6	436	2709.8	15972.3	19554
South East England			3412.9	281.4	41.0	0.8		3736	10143.1	7355.5	24970.7
New Forest			4705.9	1112.8	53.6	25.7		5898	5198.2	9157.7	26151.9
West Midlands	186.2	65.9	1282.2		24.8	21.5		1581	1834.3	8506.6	13502.5
Peninsula	271	14.1	937.4		82.0	39.0		1344	2755.4	10734.9	16177.8
Forest of Dean		0.3	4896.6	236.4	45.9	17.9		5197	3867.1	6006.9	20268.1
Total Woodland habitat type	1137.1	322.6	23244.3	1657.8	550.4	173.4	138.1	27225	39073.2	151307.2	244829.1

APRIL 2004 HABITATS										
WOODED HABITATS	Upland oak	Upland Ash	Lowland Mixed	Lowland Beech	Wet Woodlands	Wood Pasture	Total NWHAP	Broadleaf	Conifer	Total Woodland
Sherwood	15.1		1919.3		10.4	9.1	1953.9	2177.1	7008.7	11139.7
East Anglia			925.3	23.4	169.2		1117.9	2866.2	19399	23383.1
Northants			3375.6		144.8	3	3523.4	1958.7	1878.7	7360.8
Kielder	51.9	3.1	135.8		31		221.8	2647.9	55004.2	57873.9
Lakes	404.9	181.7	63.9		19.6		670.1	2230.3	9548.4	12448.8
North York Moors	157.7	26.7	187.6		37.8	7.7	417.5	2599.3	16300.4	19317.2
South East England			3403.7	260	26		3689.7	9779.4	7603.3	21072.4
New Forest			4521.7	1122.8	49.3	6.7	5700.5	5206.9	9584.2	20491.6
West Midlands	187.1	67.4	1296		27.1	13.1	1590.7	1805.1	8671	12066.8
Peninsula	286.4	869.2	15.1		74.8	9	1254.5	2795.6	10974.5	15024.6
Forest of Dean		0.32	4422.6	210	42	0.28	4675.2	3598	6839.3	15112.5
Total Woodland habitat type	1103.1	1148.42	20266.6	1616.2	632	48.88	24815.2	37664.5	152811.7	215291.4

Source: FC England sub-compartment database

Table 7

SSSI – Percentage of habitat type by condition description

Public Forest Estate Main Habitat	Latest Condition Description				
	FAVOURABLE	UNFAVOURABLE RECOVERING	UNFAVOURABLE NO CHANGE	UNFAVOURABLE DECLINING	DESTROYED
ACID GRASSLAND – LOWLAND	31	16	36	17	0
ACID GRASSLAND – UPLAND	90	8	2	0	0
ARABLE AND HORTICULTURE	100	0	0	0	0
BOGS – LOWLAND	44	48	0	8	0
BOGS – UPLAND	52	48	0	0	0
BOUNDARY AND LINEAR FEATURES	100	0	0	0	0
BROADLEAVED, MIXED AND YEW WOODLAND – LOWLAND	22	76	2	0	0
BROADLEAVED, MIXED AND YEW WOODLAND – UPLAND	58	33	5	4	0
CALCAREOUS GRASSLAND – LOWLAND	47	52	0	1	0
CALCAREOUS GRASSLAND – UPLAND	3	97	0	0	0
CONIFEROUS WOODLAND	96	4	0	0	0
DWARF SHRUB HEATH – LOWLAND	65	31	3	1	0
DWARF SHRUB HEATH – UPLAND	30	64	5	1	0
EARTH HERITAGE	91	9	0	0	0
FEN, MARSH AND SWAMP – LOWLAND	8	89	2	1	0
FEN, MARSH AND SWAMP – UPLAND	0	100	0	0	0
IMPROVED GRASSLAND	57	0	43	0	0
INLAND ROCK	16	62	21	1	0
LITTORAL SEDIMENT	37	12	0	51	0
NEUTRAL GRASSLAND – LOWLAND	62	35	2	1	0
NEUTRAL GRASSLAND – UPLAND	72	27	1	0	0
RIVERS AND STREAMS	24	12	42	22	0
STANDING OPEN WATER AND CANALS	85	15	0	0	0
SUPRALITTORAL ROCK	100	0	0	0	0

Source: Data extracted from ENSIS: 28 September 2009

Table 8**Butterfly Priority Sites**

Forest District	Total	Grade A	Grade B	Grade C	Species
East Anglia	12	6	2	4	Basil thyme case-bearer, lunar yellow underwing
Forest of Dean	9	6	2	1	Argent & sable, drab looper, pearl-bordered fritillary, small pearl-bordered fritillary, wood white
Kielder	5	2	0	3	small pearl-bordered fritillary
National Arboreta	1	0	1	0	
New Forest	10	5	4	1	Argent & sable, drab looper, pearl-bordered fritillary, small pearl-bordered fritillary, Duke of Burgundy
North West England	7	6	0	1	Pearl-bordered fritillary, small pearl-bordered fritillary, Duke of Burgundy, high brown fritillary
North York Moors	7	7	0	0	Argent & sable, small pearl-bordered fritillary, Duke of Burgundy
Northants	20	10	8	2	Wood white
Peninsula	9	7	0	2	Duke of Burgundy, small pearl-bordered fritillary, pearl-bordered fritillary, wood white
Sherwood	4	1	1	2	Wood white
South East	37	14	12	11	Argent & sable, <i>Coleophora wockeela</i> , drab looper, pearl-bordered fritillary, small pearl-bordered fritillary, Duke of Burgundy, heath fritillary, wood white
West Midlands	19	13	3	3	Argent & sable, drab looper, pearl-bordered fritillary, small pearl-bordered fritillary, wood white
TOTAL	140	77	33	30	

Source: *Lepidoptera* on Forestry Commission Land in England; Conservation Strategy 2007-2017.

Table 9**Important Bird Areas**

Region	Area (ha)
North West	1,549
North East	488
Yorkshire and the Humber	18,579
West Midlands	0
East Midlands	1,508
East England	20,205
South East	28,033
South West	3,474
TOTAL	73,836

District	Area (ha)
North West England	1,547
Kielder	11
North York Moors	19,056
Sherwood and Lincs	1,510
Northants	0
West Midlands	0
East Anglia	20,205
South East England	1,189
New Forest	28,367
Forest of Dean	0
Peninsula	1,951
TOTAL	73,836

Source: IBA data downloaded from <http://www.rspb.org.uk/ourwork/science/datazone/iba.asp>.
Forestry Commission Public Forest Estate data from end of 2008/09 landholding dataset.

Table 10

The Public Forest Estate in Designated Landscapes						
Government Region	Public Forest Estate landholdings within National Parks (hectares)	Percentage of Public Forest Estate landholdings that are within National Parks (%)	Public Forest Estate landholdings within Areas of Outstanding Natural Beauty (hectares)	Percentage of Public Forest Estate landholdings that are within Areas of Outstanding Natural Beauty (%)	Public Forest Estate landholdings within Sites of Special Scientific Interest (hectares)	Percentage of Public Forest Estate landholdings that are within Sites of Special Scientific Interest (%)
North West	12,100	43	1,775	6	2,999	11
North East	18,078	30	3	0	6,903	11
Yorkshire and the Humber	18,573	87	562	3	1,103	5
East Midlands	1,904	10	0	0	2,081	11
East of England	0	0	3,342	13	20,754	79
London	0	0	0	0	0	0
South East	26,809	54	12,812	26	29,569	60
South West	2,767	8	10,698	29	3,202	9
West Midlands	0	0	5,762	43	1,288	10
All of England	80,232	31	34,954	14	67,899	27

Data sources: Forestry Commission England Deeds (December 2008) and boundaries of National Parks, AONBs and SSSIs