

National Survey of Native Woodlands 2003-2008



Volume I: Main report

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The National Survey of Native Woodlands in Ireland included the survey of 1,217 woodland sites across all 26 counties of the Republic of Ireland during 2003-2007. Site selection was carried out using the Forest Inventory Planning System 1998 (FIPS) and local knowledge. Surveys comprised the recording of site species lists and information at the site level on topography, management, grazing, natural regeneration, geographical situation, adjacent habitat types, invasive species, dead wood and boundaries. Relevés were recorded in each of the main stand types identified at each site. For each relevé, data were recorded on vascular plant and bryophyte cover abundance, soil type and soil chemistry, notable lichens, stand structure, and natural regeneration. Data were also incorporated from a number of external sources. This resulted in a database with data from 1,320 sites and 1,667 relevés.

The relevé dataset was analysed using hierarchical clustering and indicator species analysis. Four major woodland groups were defined: *Quercus petraea – Luzula sylvatica* (260 relevés), *Fraxinus excelsior – Hedera helix* (740 relevés), *Alnus glutinosa – Filipendula ulmaria* (296 relevés) and *Betula pubescens – Molinia caerulea* (371 relevés). Further analysis of the dataset divided these four groups into twenty-two vegetation types. For each vegetation type a synoptic table of the floristic data was produced, together with a list of key indicator species, a list of example sites, summary environmental and stand structure data and a distribution map.

A range of data types from both the general site survey (e.g. area, occurrence of rare species, presence of hydrological features) and the relevé dataset (e.g. structural diversity, regeneration status) was used to produce a conservation score for each of the woodlands surveyed. This score allows the relative conservation value of each site to be assessed, and provides baseline data which can be used when monitoring sites in the future. A notable finding was that the west of the country contained 20 of the 27 top-ranked sites. In addition, all of these top-ranked sites have NHA and/or SAC designation. A number of sites that ranked highly in the conservation assessment lack any designation; these have been highlighted as being worthy of further examination. A threat score was also produced based on general site survey and relevé data to give an indication of the threats posed to woodlands from primarily internal sources, such as invasive species infestation. These threat scores should be regarded as the minimum threat potential to Irish woodlands as, for example, sites at which invasive species are a major problem may have failed to meet the criteria for survey.

Guidelines are given in this document for the monitoring of the four Annex I woodland habitats that occur in Ireland. For each Annex I habitat assessment three parameters are scored: area, structure and functions, and future prospects. Threshold values for each of these parameters are given and the recommended methodology for carrying out the monitoring assessments is laid out.

The outputs of the NSNW will provide a valuable resource for environmental managers, ecological researchers and policy makers to work towards the conservation of Irish woodlands.



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Cover photo: Vernal carpet of *Allium ursinum* and *Anenome nemorosa* beneath canopy of *Fraxinus excelsior*, Hazel Wood, Co. Monaghan (Philip Perrin, April 2005)

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1.1 Rationale

Ireland is one of the least forested countries in Europe with about 9% of its area under forest cover, the majority of which is composed of commercial conifer plantations (Anon. 2007a). Only around 2% of the country is covered by what is termed native or semi-natural woodland, that is, woodland dominated by native tree species¹, and much of this is highly fragmented and modified (Gallagher et al. 2001). This scarcity of native woodland is the result of millennia of human activity. The National Biodiversity Plan has set a general target of increasing the broadleaf component of total annual afforestation to 30% by 2007 (Anon. 2002). It also sets a target for the recently launched Native Woodland Scheme of creating 15,000 ha of new native woodland. Such significant changes in the country's landscape must be underpinned by a sound ecological knowledge base. This is also required if Ireland is to meet its obligations to conserve its Annex I habitats under the EU Habitats Directive. The formulation of a national native woodland strategy is, however, hindered by the lack of an extensive inventory of sites and a detailed classification system. The need for these two key resources has been recognised by the National Parks and Wildlife Service (NPWS) and by actions in the National Biodiversity Plan (Anon. 2002). Following trial surveys (Browne et al. 2000, van der Sleesen & Poole 2002) the National Survey of Native Woodlands (NSNW) was commissioned by the NPWS and initiated in 2003.

1.2 Studies of Irish woodlands

Previous scientific studies of native woodland diversity in Ireland have focused largely on particular types of woodland, for example, acid oakwoods (Kelly & Moore 1975), woods over limestone (Kelly & Kirby 1982), wet woodland (Kelly & Iremonger 1997, Cross & Kelly 2003), yew woods (Perrin 2002 and Perrin *et al.* 2006a), stands on eskers (Cross 1992) and stands on intact bogs (Cross 1987). Previous inventories of native woodlands have concentrated on sites with commercial potential (O'Flanagan 1973, Purcell 1979) and sites of designation quality (Anon. 1981), whilst the comprehensive National Forest Inventory (Anon. 2007a), which looked at all types of forested land, focused primarily on timber resources. Thus, there has hitherto been a lack of a systematic national scale survey of native woodlands aimed at habitat and wildlife conservation. In particular, there is a lack of knowledge of the smaller or less economically valuable woods which constitute the vast majority of the country's fragmented resource.

1

¹ Appendix 1

1.3 Classification of Irish woodlands

The classification of semi-natural habitats in Ireland has largely followed the subjective central European phytosociological approach advocated by Braun-Blanquet & Tüxen (1952). Kelly (2005) outlined a scheme of 15 associations and subassociations found in Ireland derived from a previous sequence of woodland studies (Kelly & Moore 1975, Kelly 1981, Kelly & Kirby 1982, Kelly & Iremonger 1997, Cross & Kelly 2003). Fossitt (2000) presents a simplified and standardised way to classify all habitats in Ireland including woodlands but it is based on the results of previous phytosociological studies such as those above rather than being based objectively on empirical data. The scheme of Fossitt (2000) has been widely adopted by authorities in Ireland for habitat surveying and mapping purposes, but it is generally deemed not suitable for detailed study and evaluation, and indeed this was not its purpose. Fossitt (2000) identifies seven native woodland categories and two modified / non-native woodland categories as follows:

WN1 Oak-birch-holly woodland: These woods occur on acid or base-poor, reasonably welldrained soils. They are usually dominated by *Quercus petraea* (sometimes with *Quercus robur* or their hybrids). The field layer typically includes *Vaccinium myrtillus, Blechnum spicant* and *Luzula sylvatica*.

WN2 Oak-ash-hazel woodland: These woods occur on reasonably well-drained, base-rich soils or on rocky limestone terrain. They are typically dominated by some combination of *Quercus robur*, *Fraxinus excelsior* and *Corylus avellana*. The field layer often includes *Circaea lutetiana, Polystichum setiferum, Viola riviniana, Arum maculatum, Fragaria vesca, Allium ursinum* and *Potentilla sterilis*

WN3 Yew woodland: These are stands dominated by *Taxus baccata*. This woodland type is very rare in Ireland and is found on shallow, rocky limestone soils. The field layer is characteristically sparse.

WN4 Wet pedunculate oak-ash woodland: These are woods occurring on ground that is subject to winter flooding or waterlogging but which dries out in summer. It is typical on poorly drained, heavy clay soils and is usually dominated by some combination of *Quercus robur* and *Fraxinus excelsior. Alnus glutinosa* can be locally abundant. The field layer typically includes *Filipendula ulmaria, Circaea lutetiana, Rubus fruticosus* and *Chrysosplenium oppositifolium.*

WN5 Riparian woodland: These are wet woodlands that are subject to regular flooding along river margins or on low-lying river islands. The canopy is dominated by a mixture of native and non-native willows (*Salix* spp.), and *Alnus glutinosa* may be occasional. The field layer typically includes *Urtica dioica*, *Angelica sylvestris*, *Oenanthe crocata*, *Calystegia sepium* and *Phalaris arundinacea*.

Phytosociological system (from Kelly 2005)	Heriitage Council catergories (from Fossitt 2000)	Irish native woodland classification (from Cross 2005)	Potential natural vegetation units (from Cross 2006)
Blechno-Quercetum typicum	WN1 Oak-birch-holly woodland	A1 Species-poor oak woodland on drier sites	Unit 2. Species-poor oak (Quercus petraea) forests
Blechno-Quercetum scapanietosum	WN1 Oak-birch-holly woodland	A2 Moss- and lichen-rich oak woodland	Unit 3. Oak (<i>Quercus petraea</i>) forests rich in bryophytes and lichens
Blechno-Quercetum coryletosum	WN1 Oak-birch-holly woodland	A3 Oak woodland with hazel and ash	Unit 4. Oak (mostly <i>Quercus petraea</i>) forest with bluebell (<i>Hyacinthoides non-scripta</i>)
Corylo-Fraxinetum veronicetosum	WN2 Oak-ash-hazel woodland	B1 Oak-ash-hazel woodland on relatively deep soils	Unit 5. Pedunculate oak-ash forests with <i>Corylus avellana, Circaea lutetiana, Brachypodium sylvaticum</i> and <i>Veronica montana</i>
Corylo-Fraxinetum typicum	WN2 Oak-ash-hazel woodland	B1 Oak-ash-hazel woodland on relatively deep soils	Unit 5. Pedunculate oak-ash forests with <i>Corylus avellana, Circaea lutetiana, Brachypodium sylvaticum</i> and <i>Veronica montana</i>
Corylo-Fraxinetum neckeretosum	WN2 Oak-ash-hazel woodland	B2 Oak-ash-hazel woodland on shallow, often rocky soils over limestone	Unit 6. Hazel-ash forests on shallow calcareous soils, rich in bryophytes
Corylo-Fraxinetum neckeretosum <i>Taxus</i> facies	WN3 Yew woodland	B3 Yew woodland	Unit 6. Hazel-ash forests on shallow calcareous soils rich in bryophytes
Corylo-Fraxinetum deschampsietosum	WN4 Wet pedunculate oak-ash woodland	C1 Wet peduncalate oak-ash woodland rich in species C2 Woodlands of floodplains subject to intermittent flooding	Unit 8. Lowland alluvial forests of <i>Quercus robur, Fraxinus excelsior</i> and <i>Salix</i> species
Salicetum albae	WN5 Riparian woodland	D Willow woodland alongside river channels (gallery or riparian woodland)	Unit 8. Lowland alluvial forests of <i>Quercus robur, Fraxinus excelsior</i> and <i>Salix</i> species
Osmundo-Salicetum	WN6 Wet willow-alder-ash woodland	E1 Willow-alder carr on fen peat	Unit 14. Degraded raised bog with a mosaic of birch forests, alder and ash-alder carr, fen and heath
Alnus glutinosa-Carex paniculata coenon	WN6 Wet willow-alder-ash woodland	E2 Alder carr with tussock sedge (Carex paniculata)	-
Carici remotae-Fraxinetum	WN6 Wet willow-alder-ash woodland	E3 Ash-alder-remote sedge woodland	Unit 9. Alder-oak-ash forests with Salix cinerea subsp. oleifolia
Vaccinio uliginosi- Betuletum	WN7 Bog woodland	F1 Dry birch woodland	Unit 14. Degraded raised bog with a mosaic of birch forests, alder and ash-alder carr, fen and heath
Salicetum auritae Sphagnum palustre-Betula pubsecens coenon	WN7 Bog woodland	F2 Wet birch woodland with Sphagnum	Unit 14. Degraded raised bog with a mosaic of birch forests, alder and ash-alder carr, fen and heath

Table 1.1 Relationships between existing classifications and descriptions of Irish woodlands

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WN6 Wet willow-alder-ash woodland: These are wet woodlands of permanently waterlogged sites. They are usually dominated by some combination of *Salix cinerea, Alnus glutinosa* and *Fraxinus excelsior*. Included here are lakeside woods, woods on fen peat (carr) and woods on spring-fed or flushed sites. Field layer species include *Agrostis stolonifera, Galium palustre* and *Filipendula ulmaria*

WN7 Bog woodland: These are woods on ombrotrophic bogs, including cutover bogs and bog margins and hence are usually found on deep acidic peat. They are dominated by *Betula pubescens* with a field layer often comprising *Calluna vulgaris, Vaccinium myrtillus, Pteridium aquilinum, Molinia caerulea* and *Rubus fruticosus*.

WD1 (Mixed) broadleaved woodland: This is a modified woodland type with 0-25% conifers and 75-100% broadleaves which may contain native and / or non-native species.

WD2 Mixed broadleaved/conifer woodland: This is a modified woodland type where both conifer and broadleaved species have a minimum cover of 25%.

Cross (2005) revised the woodland section of the scheme of Fossitt (2000), adding a second tier of classification which largely corresponds with the subassociations listed by Kelly (2005). Cross (2006) proposed potential natural vegetation units for woodland in Ireland which may also be related to the previous schemes. The relationship between these various systems is presented in Table 1.1. However, Cross (2005) points out that in the absence of a detailed, national woodland survey such classifications must be regarded as preliminary.

1.4 Extent of Irish woodlands

There have been two recent estimates of the national extent of native woodland cover. The Forest Inventory Planning System 1998 (FIPS) is a GIS-based inventory of forest cover in Ireland which was used extensively in this project for site selection (see section 2.1). It was produced from aerial photographs and satellite imagery. According to FIPS, Ireland in 1995 had 571,234 ha of forested land with 82,321 ha of mixed woodland and broadleaf woodland not dominated by beech, representing 1.2% of the state (Fig. 1.1). The National Forest Inventory (NFI) extrapolated its estimates from a systematic field sampling of the whole country between 2004 and 2006 (Anon. 2007a) and estimated that 625,750 ha of Ireland is forested land. Of this forested area, 21.3% or 132,990 ha comprise native woodland, representing 1.9% of the state². The considerable difference between these estimates may be attributed to differences in minimum stand size, the criteria for determining if woodland is native, the identification of open areas within forests and the differentiation between scrub and mature woodland. However, this apparent increase may to some extent reflect genuine

² Note that unlike in the NFI, Scots pine (*Pinus sylvestris*) is regarded as non-native for the purposes of this survey. The figures presented here therefore differ slightly from those presented for native woodland in Anon. (2007a).

expansion of woodland, particularly birch woodland on degraded bogland. The density of native woodland differs considerably between counties, as shown in Figure 1.2 and Table 1.2. Whilst only 38% of non-native forested land is in public ownership, 60% of native woodlands are owned by private landowners according to the NFI (Anon. 2007a).

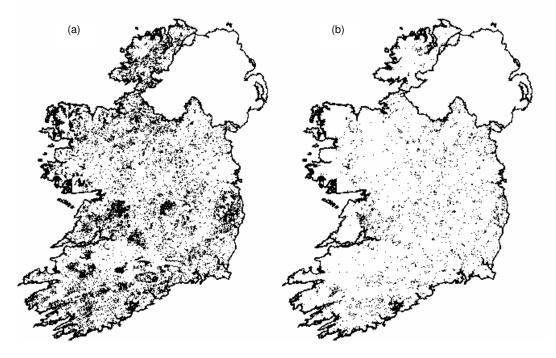
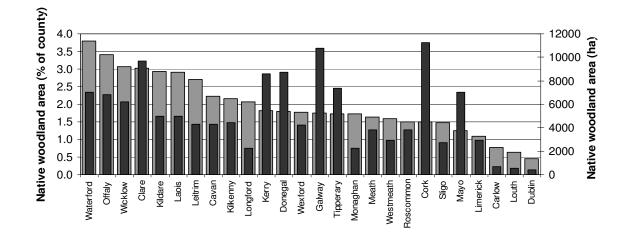


Figure 1.1 Extent in Ireland of (a) all forested land and (b) mixed and broadleaved woodland not dominated by beech. Data from FIPS (1998).

Figure 1.2 Area (dark bars, right axis) and density (pale bars, left axis) of native woodlands by county. Data from National Forest Inventory (Anon. 2007a)



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	NFI:	NFI:	FIPS:	FIPS:
County	Native	Native woodland	Broadleaved &	Broadleaved &
County	woodland area	area (% of	mixed area (ha) ^b	mixed area (% of
	(ha) ^a	county) ^a		county) ^b
Waterford	6990	3.80	3301	1.80
Offaly	6810	3.40	2950	1.47
Wicklow	6220	3.07	4883	2.41
Clare	9660	3.02	7071	2.21
Kildare	4970	2.93	2075	1.22
Laois	4990	2.90	2244	1.30
Leitrim	4310	2.71	1936	1.22
Cavan	4320	2.23	2872	1.48
Kilkenny	4430	2.15	2251	1.09
Longford	2260	2.07	1387	1.27
Kerry	8600	1.81	5799	1.22
Donegal	8750	1.80	4245	0.87
Wexford	4200	1.78	2512	1.06
Galway	10780	1.76	5107	0.83
Tipperary	7350	1.73	4432	1.04
Monaghan	2230	1.72	1828	1.41
Meath	3850	1.64	2061	0.88
Westmeath	2900	1.58	2379	1.29
Roscommon	3850	1.51	1745	0.68
Cork	11230	1.50	11121	1.49
Sligo	2720	1.48	1397	0.76
Mayo	7010	1.25	3572	0.64
Limerick	2920	1.09	2141	0.80
Carlow	690	0.77	836	0.93
Louth	520	0.63	1265	1.53
Dublin	430	0.46	916	0.99
Total	132990	1.91	82321	1.23

Table 1.2 Area and density of native woodland by county. Data from National Forest Inventory (Anon. 2007a) and FIPS 1998.^a excluding Scots pine, ^b excluding beech.

Not only is the native woodland resource in Ireland limited in extent, but it is also highly fragmented. Within FIPS the vast majority of contiguous units representing broadleaf woodland or mixed broadleaf / conifer woodland are less than 5 ha in size and only a very small proportion exceed 50 ha (Table 1.3). Fragmented woodland can support only smaller populations of species, which are vulnerable to extinction by stochastic events. Furthermore, within smaller sites a proportionately larger area is affected by edge effects and there is less core woodland habitat.

-	Unit size (ha)	No. FIPS units	% of FIPS units
	0.98-5.00	13695	78.1
	5.01-10.00	2343	13.4
	10.01-20.00	979	5.6
	20.01-50.00	425	2.4
	50.01-100.00	81	0.5
	>100.00	19	0.1
_	Total	17,542	100

1.5 Threats to Irish woodlands

Native woodland in Ireland suffers from what may be deemed internal and external threats. The main contemporary internal, or ecological, threats are from inappropriate grazing and from invasive alien species, although in the past underplanting with conifer species was a widespread practice. Grazing pressure in woodlands comes from domestic stock, chiefly cattle and sheep, feral populations of goats and wild deer. Deer species in Ireland comprise red (*Cervus elaphus*), fallow (*Dama dama*) and sika (*Cervus nippon*) with muntjac (*Muntiacus reevesi*) a possible recent introduction. Fallow and sika deer are also introduced species, but certain populations of red deer are regarded as native. As deer lack any natural predators in Ireland, control of populations, typically through fencing or culling, is a major management issue. Heavy grazing pressure can reduce field layer diversity and inhibit regeneration of tree species through damage or removal of seedlings and saplings, eventually affecting stand structure and species composition. Undergrazing may also be a problem, however, as competitive species may dominate unchecked.

Invasive alien species in woodlands comprise non-native shrubs, trees and herbaceous plants. The most problematic shrub species include rhododendron (*Rhododendron ponticum* and hybrids), cherry laurel (*Prunus laurocerasus*), red osier dogwood (*Cornus sericea*) and snowberry (*Symphiocarpos albus*). These highly competitive species form dense thickets which outcompete native species. Rhododendron is a particular problem in the humid conditions of western Ireland where it grows vigorously on acid soils. It can only be eradicated through systematic control regimes. The main non-native tree species which pose a threat are beech (*Fagus sylvatica*) and sycamore (*Acer pseudoplatanus*), both of which have been widely planted in the past and freely regenerate in woodlands on well-drained mineral soils. Beech casts a heavy shade inhibiting the regeneration of native species whilst it itself is shade tolerant. Its foliage is unpalatable and produces a deep acidifying litter layer which alters the composition of the field layer. Invasive herbs include giant hogweed (*Heracleum mantegazzianum*) and Himalayan balsam (*Impatiens glandulifera*), both of which can be problematic along watercourses.

The chief external threat to woodland is felling. Woodlands may be clearfelled as a result of road or housing development schemes, for agricultural improvement or replanting with commercial plantations. Woodlands on eskers and other mineral deposits are often threatened by the establishment or expansion of quarries, whilst wet woodland can be adversely affected by drainage schemes.

1. 6 Conservation of Irish woodlands

Several frameworks exist in Ireland to protect the best examples of the native woodland resource from these threats. The level of protection varies considerably between these

frameworks. The highest level of protection is granted to sites contained within National Parks as these are owned and managed by the State. Statutory Nature Reserves are protected by Ministerial order under the Wildlife Act, 1976 and the Wildlife (Amendment) Act, 2000 and the majority of these are owned and managed by the State. However, many of these sites are still threatened, for example by overgrazing or rhododendron. Of the six National Parks in Ireland, three contain substantial areas of native woodland, those in Killarney, Glenveagh and the Wicklow Mountains. Of the network of 78 Statutory Nature Reserves, 33 sites have been deemed to contain woodland of conservation value.

The second level of protection is granted to woodlands which are part of the Natura 2000 European network. These include woodland sites which fall into areas designated as Special Protection Areas (SPAs) under the EU Birds Directive and sites which are candidates for designation as Special Areas of Conservation (cSACs). These latter sites, which may be in private or State ownership, are protected through the EU Habitats Directive, which was transposed into Irish law by the European Union (Natural Habitats) Regulations, 1997 as amended in 1998 and 2005. To qualify for designation, sites must contain habitats or species that are listed under Annex I or Annex II of the Habitats Directive and are thus of importance at a European level. Four Annex I woodland habitat types occur in Ireland:

91A0 Old sessile oak woods with *llex* and *Blechnum* in the British Isles
91D0 * Bog woodland
91E0 * Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (Alno-padion, Alnion incanae, Salicion albae)
91J0 * *Taxus baccata* woods of the British Isles (* priority habitat)

The third level of protection is granted to sites which have been proposed as Natural Heritage Areas (pNHAs) as provided for under the Wildlife (Amendment) Act, 2000. These are sites which have been identified as important on a national or regional basis. Many sites would have status as both pNHA and cSAC. Although no woodland sites have currently been given full statutory designation as NHAs, their proposed status is recognised by authorities within the planning process. However, many of these sites were originally identified on an *ad hoc* basis rather than as the result of a national survey with consistent criteria, therefore there may well be other woodlands of conservation importance which have not been designated.

There have been other recent initiatives aimed at conserving and expanding the native woodland resource in Ireland. The People's Millennium Forests project established a network of sixteen sites covering over 600 ha where existing native woodland has received funding for conservation management and where extensive woodland planting has occurred. The Native Woodland Scheme administered by the Forest Service is an ongoing grant-aided scheme providing funding for the creation of new woodland or the conservation of existing stands.

1.7 Aims of the project

1. To establish the area and character of native woodlands in Ireland.

2. To produce a national inventory of native woodland sites comprising a subjective sample representing the full range of woodland diversity in Ireland.

3. To produce a national classification system for native woodlands based objectively on data recorded in the field, to compare this system with existing schemes and make recommendations for improvement.

4. To evaluate the conservation value and threat status of all surveyed sites and highlight undesignated sites which may be worthy of protected status.

5. To examine the structure, regeneration status and timber resource of native woodlands in Ireland.

6. To produce monitoring guidelines for the ongoing assessment of Annex I woodland habitats.

1.8 Structure of the report

The National Survey of Native Woodlands (NSNW) was conducted in three phases. Fieldwork for the first phase occurred in 2003 in Cos. Carlow, Kilkenny, Laois, Wexford and the western half of Co. Offaly. This phase of work was reported in Higgins *et al.* (2004). Fieldwork for the second phase occurred in 2004 and 2005, when the counties surveyed were Cavan, Dublin, Kildare, Leitrim, Louth, Longford, Meath, Monaghan, Roscommon, Westmeath and Wicklow. This phase was reported in Perrin *et al.* (2006). The second phase report also covered the incorporation of data from 101 woodland sites from external sources, including the pilot study to the NSNW conducted in the eastern half of Co. Offaly (van der Sleesen & Poole 2002) and a survey of woodland in three SACs by Browne *et al.* (2000). The third and final phase of fieldwork took place in 2006 and 2007 in the remaining counties of Clare, Cork, Donegal, Galway, Kerry, Limerick, Mayo, Sligo, Tipperary and Waterford.

This final report covers all of the data accumulated during the five years of the project. It is presented in two volumes. Volume I contains the full field and analytical methodologies used, the conservation and threat assessments of each surveyed site and the Annex I monitoring guidelines. It also contains a technical overview of the results of the vegetation analysis, but the full woodland classification is presented as a standalone document in Volume II.

The report is accompanied by several digital packages. A GIS project in ArcView GIS format contains the following information: total forest cover and potentially native woodland cover derived from FIPS 1998, the location and classification of all relevés recorded during the survey, and digitized areas of woodland not identified by FIPS in which relevés were recorded. A Microsoft Access database contains all of the data recorded during the project with the exception of tree structural data and natural regeneration data which are provided in a Microsoft Excel file. A key to the species codes used in the database are also presented in Microsoft Excel format. Data is also presented in Turboveg format in two databases, one containing site records and one containing relevé data. Finally, a set of CDs contains a collection of relevé photographs.





Great horsetail (Equisetum telmateia)

Water horsetail (*Equisetum fluviatile*)

2.1 Site selection

The primary data source for the site selection process was the Forest Inventory Planning System 1998 (FIPS). FIPS is a GIS database running in ArcView that has digitally mapped all forested areas (parcels) in Ireland (Gallagher *et al.* 2001). It was developed utilising a combination of satellite (Landsat Thematic Mapper) imagery taken between 1993 and 1997, and a series of ortho-rectified panchromatic aerial photographs taken in 1995 (Gallagher *et al.* 2001). To focus in on putative native woodland sites, a modification to FIPS was developed (Higgins *et al.* 2004). This comprised three main steps. Parcels labelled with non-relevant class categories (mainly *Conifer forest* or *Cleared*) were removed, leaving only parcels categorised as either *Broadleaf* or *Mixed forest*. For each of these class categories, contiguous parcels were joined using a conventional dissolve procedure. Finally, parcels falling below the minimum threshold for inclusion in this survey, 0.98 ha in area and 40 m in width, were removed.

From this modified version of FIPS a subset of sites was selected for field survey within each county. The number of sites selected for each county was based on the proportion of the total area of native woodland that was present in that county as detailed by FIPS. The targets for the three phases of the project were 240 sites, 550 sites and 500 sites respectively, giving an overall target of 1290 sites. Additional sites were selected to allow for sites which could not be surveyed due to problems such as owners denying access or non-native status.

In addition to this stratified sampling of the survey area, the criteria listed below were considered during site prioritisation to ensure that a broad range of woodlands were included in the survey:

- sites already designated for conservation, e.g. pNHAs and cSACs
- large blocks of woodland for which little or no data were currently available
- woodlands in largely unwooded landscapes
- older woodlands (those with extant blocks marked on the 1st edition Ordnance Survey maps of the 1830s and 1840s)
- sites with different ownership status (privately-owned, state-owned or owned by Coillte) and therefore potentially under different levels of threat
- sites that represented the geographical variation that existed in the study area, such as altitudinal range
- sites predicted to contain rare woodland types
- sites which occurred on different soil types
- sites recommended by BSBI recorders, NPWS staff and members of the public.

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Planting information from the Coillte GIS database was used to supplement the selection process. Analysis of FIPS was also used to ensure there was a good geographical spread of woods within the study area. A number of non-FIPS sites were identified by manual inspection of year 2000 aerial photographs or in the field; this was to compensate for the degree of inaccuracy that is inherent in FIPS (Gallagher *et al.* 2001). All sites were checked on aerial photographs. It was apparent that some sites were unsuitable for survey and they were rejected at this stage. For each of the remaining selected sites a site pack was compiled which included a six inch map with an overlay from the FIPS or Coillte estate GIS (Fig. 2.1), a blank six inch map, aerial photographs (Fig. 2.2) and, where available, copies of notes from previous surveys.

Figure 2.1 Overlay of FIPS on six inch map for Ballykeefe Nature Reserve, Kilkenny. Area in red indicates broadleaved woodland.

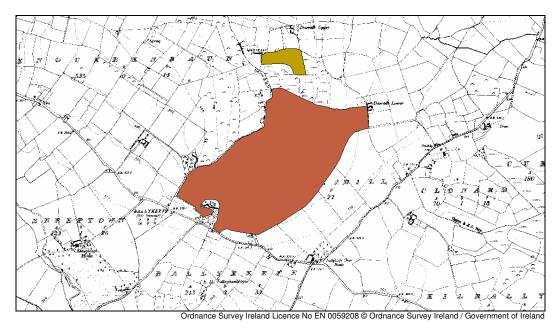


Figure 2.2 Aerial photograph for Ballykeefe Nature Reserve, Kilkenny.



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A subjective approach to site selection was adopted, primarily due to the practical restraints of the project and the need to acquire a critical mass of data for several subsets of site types. For example, woodlands of lowland river islands are a very rare woodland type in Ireland and it was therefore desirable to include all of these within the survey to ensure that a reasonable level of information about this habitat type was obtained. It was also desirable to include data from as many of the relatively few Nature Reserves as possible so that comparisons could be made with non-designated sites. Given that a limited number of sites could be surveyed within the financial and time constraints of the project, a purely randomised approach based on FIPS parcels could well have omitted some or all of these sites. A similar case can be made for most of the criteria listed above. Furthermore, difficulties with obtaining access permission and the need to identify non-FIPS sites also made a randomisation approach to site selection unworkable.

2.2 General site survey

Fieldwork was conducted between April and September from 2003 to 2007. For each selected site, a decision was made upon arrival in the field on the validity of surveying it. Sites were required to be ≥ 1 ha in area, with a canopy ≥ 5 m in height (≥ 4 m in the case of wet woodlands), and with canopy cover of $\geq 30\%$. Sites were also required to be ≥ 40 m in width, with the exception of woodland along lakeshores or riverbanks where the minimum width was only 20 m. Also taken into account were the native component of the canopy, shrub and field layers and the importance of the site in context of the locale. A proportion of sites were therefore rejected at this stage as unsuitable. Specific field sheets were used for recording the survey data (Appendix 2). For each site surveyed the following data were recorded:

Site species list: A comprehensive list of vascular plants was recorded for each site. For tree and shrub species, presence/absence in each of the canopy, shrub and field layers was recorded. Where a species was observed only in man-modified habitats within the woodland site (e.g. on gravel tracks, car parks etc.) this was noted separately. Notable bryophytes were also recorded from the site in general. This bryophyte list was supplemented, particularly in the case of smaller and less obvious taxa, by the intensive sampling conducted within each relevé. Identification in the laboratory was conducted as required. Nomenclature throughout the project followed Stace (1997) for vascular plants, Smith (2004) for mosses, Paton (1999) for liverworts and Dobson (2000) for lichens. As fieldwork was conducted over several months each year some seasonal variation in recording undoubtedly occurred, particularly for vernal species.

Site situation: The altitudinal range (in metres) for each site was recorded from the appropriate Discovery Map. The general slope (in degrees) for the woodland as a whole was recorded using a clinometer or estimated by eye. If there was not an obvious, single measurement relevant to the site as a whole, the situation was described in the site notes.

The aspect was recorded for the site as a whole using cardinal and subcardinal points. Flat sites (i.e. with no aspect) were recorded as '0'. Where a site had more than one aspect this was indicated on the field sheet. The topographical position (e.g. upper slope, lower slope, depression) occupied by the woodland was noted. In many cases the woodland site extended over several topographical positions. Where the woodland site was associated with a particular landscape feature, for example, in a valley or on a drumlin, this was also recorded.

Area: Site area (in hectares) was derived from FIPS. If during the field survey the woodland boundary was found to differ from that given by FIPS, the new boundary was marked on the six inch map or aerial photograph provided and a revised site area was calculated.

Internal features: The predominant soil moisture regime observed at the site was recorded. In addition, any hydrological features (e.g. streams, ditches and flushes) observed were noted. All evidence of management, both previous and current, in the wood was noted. This included planting, felling, amenity use and coppicing. The presence of historical features such as banks and ruined buildings was also recorded.

Surface cover: The surface cover of various strata was assessed to give a general indication of the structure of the woodland. The DAFOR scale (dominant, abundant, frequent, occasional, rare or absent) was used to assess cover of: rock and boulders; stones and gravel; bare soil; litter; bryophytes; herbs; low woody species. Only the actual wooded area was assessed; gravel-covered forest tracks / roads, car parks etc. were not included when assigning scores to the categories.

Vegetation communities: Vegetation communities were identified and classified using the system of Fossitt (2000). Major variations in the woodland vegetation were regarded as different communities even if they were encompassed by a single category using Fossitt (2000). The distribution of vegetation communities at each site was described in the site notes and marked on the six inch map, as were any changes to the site boundary. The proportion of the woodland area (survey area) allotted to each Fossitt category was noted.

Dead wood: The abundance of dead wood was recorded. An AFOR scale was used to record the frequency of each category of dead wood present, as it is assumed that dead wood would never be dominant at a site. The categories are defined as follows:

- Standing dead Any tree, still rooted and seemingly entirely dead
- Standing damaged
 Trees with major branches lost or crown damage
 - Uprooted trees With/without main stem still present
- Coarse woody debris Non-leafy litter on the ground, diameter ≥5cm
 - Fine woody debris Non-leafy litter on the ground, diameter <5cm
- Snags/snapped Trees which have broken part-way up main stem

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Site boundary: The type(s) of woodland boundary present were recorded and where a definite boundary, such as a wall or fence, is lacking, the transition from woodland to non-woodland habitats was described as either abrupt or diffuse.

Adjacent land cover: The surrounding land cover observed during the field survey was recorded for each site using categories defined by Fossitt (2000).

Grazing regime: The general grazing level at each site was assessed using the criteria listed in Table 2.1, which is modified from Mitchell & Kirby (1990). In addition, the types of grazer(s) present were deduced where possible from available evidence, such as animal tracks and droppings.

Table 2.1 Definition of grazing levels.

Evidence of grazing	Score
No grazing apparent.	0
Low: Regeneration abundant, shrub layer dense, no obvious browse line.	1
Moderate: Saplings localised, shrub layer patchy, field layer >30 cm in general.	2
High: Shrub layer severely checked/lacking, ground vegetation generally <20 cm, tree	3
regeneration rare/confined to safe sites, some bare soil/poaching visible.	
Severe: Shrub layer and regeneration almost completely absent. Definite browse line apparent,	4
extensive bare soil present, ground flora confined to well bitten herbs grasses and bryophytes.	
Bark stripping at least occasional.	

Natural regeneration: The principal canopy and sub-canopy species were scored for regeneration during the general site survey. DAFOR was used to score each of the following classes: seedling (sd) \leq 25 cm tall, <7 cm dbh¹; sapling (sp) 25.1 cm to 200 cm tall, <7 cm dbh; pole (p) >200 cm tall and dbh <7 cm; mature (m) dbh \geq 7 cm.

Invasive shrubs: Given the potential damaging effects of introduced species on the woodland ecosystem, the presence and status of invasive species were noted at each site. For *Rhododendron ponticum*, a species whose ecology in Ireland is relatively well known, the classification system of Cross (1981, 1982) was used (Table 2.2). The level of infestation of other invasive shrub species (e.g. *Prunus laurocerasus* and *Symphoricarpos albus*) was assessed using the criteria in Table 2.3.

Table 2.2 Classification of *Rhododendron* infestation (Cross 1981, 1982).

Description	Age (yrs)	Score
None present	N/A	1
Plants scattered, small, none having flowered	<12	2
Plants frequent, but not clumping. Some flowering, many seedlings	<24	3
Plants abundant forming clumps, many seedlings	<30	4
Plants forming dense thickets with very little ground flora below	>30	5

¹ dbh = Diameter at breast height. Breast height = 1.3 m

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Level of Infestation	Score
None present	1
Plants scattered, not dominating any area	
Plants dominating small areas, <20% woodland area	3
Plants dominating larger areas, 20-50%woodland area	
Plants forming dense thickets over more than half the site area	

Table 2.3. Classification of invasive shrubs and herbs (excluding *Rhododendron*).

The presence and abundance of potentially invasive canopy species, such as *Acer pseudoplatanus*, was recorded in the same way as for native canopy species.

Site summary: In addition to the specific data gathered and recorded on the various field sheets, a general description of each site was also made. Included within this description were:

- a summary of the physical nature of the site
- a list of the vegetation types present at the site including the main tree species
- a summary of the woodland structure including the regeneration of tree species
- rare/protected species with 10-figure grid reference.

2.3 Relevé survey

A 10 m x 10 m relevé was recorded for each of the vegetation communities identified within surveyed sites. Cover in vertical projection for all vascular and bryophyte species was recorded on the Domin scale (Kent & Coker 1992), as were other general parameters (Appendix 2). The presence of notable lichen species was recorded. For each relevé, a 10-figure grid reference was obtained using a GPS, and altitude, slope and aspect were recorded. Soil profiles were examined to a depth of 30 cm and classified using a simplified version of the Great Soil Groups (Gardiner & Radford 1980). Five soil samples were taken from each relevé (one from the centre and one from each quadrant) with an aluminium soil corer to a depth of 10 cm, and bulked. Soil pH was measured on field-fresh samples using a glass electrode and a 1:1 soil / water paste. Soil samples were then air-dried, crumbled and stored for subsequent laboratory analyses of loss on ignition and total phosphorus. Loss on ignition was determined by heating samples to 500 °C for 5 hours. To estimate total phosphorus, samples were digested using the Kjeldahl method and phosphorus determined using a molybdenum blue complex by spectrophotometer. All laboratory analyses were conducted by Coillte Laboratories, Newtownmountkennedy, Co. Wicklow.

Within each 10 m x 10 m relevé, tree size, abundance and stem quality were measured. The species and number of all stems with a dbh <7 cm were recorded in each relevé using five height classes – a simplified version of Raunkier's scheme (Raunkier 1934). Differentiation was made between stems which were basal shoots of mature trees and those which were not

(free regeneration). As the density of trees varies greatly between woodlands, the plot size for assessment of mature trees (dbh \geq 7 cm) was increased as required beyond the relevé to allow a statistically representative sample of *c*. 30 trees to be recorded. Each mature stem was given a tree number, with multiple stems from the same tree sharing the same tree number. This permitted account to be made for typically multi-stemmed species, such as hazel, in subsequent density calculations. For each stem the following information was recorded:

- Species
- Dbh
- Crown position relative to other trees was recorded in four classes:
 - Dominant (trees emerging from the general canopy level)
 - Co-dominant (trees forming the canopy)
 - Intermediate (trees in the lower canopy receiving some direct light from above) Suppressed (trees completely overtopped by the canopy)
- Height (to the nearest metre)

For trees of minimum merchantable size (dbh \geq 40 cm; Joyce 1998) the following additional data were recorded:

- Estimated log length total length, in metres, of the portion of the main stem that was suitable for veneer or sawtimber
- The presence of the following stem defects: forks, heavy branches, stem galls/cankers, kinks/bends, damaged stem/bark, lean >10%, fluted/buttressed bole, excessive taper, shelf fungi or other stem disease, excessive ivy, epicormic shoots.

Within the relevé, the stratification of the woodland was sketched and photographed and the height and percentage cover for each stratum (canopy, sub-canopy and shrub layer) recorded. All photographs were stored digitally.

2.4 Incorporation of external data

The main dataset was supplemented by the incorporation of woodland survey data from several external sources. This consisted of the addition of a further 159 relevés from 103 sites. All of these were recorded using Domin or percentage cover. In addition, environmental relevé data, structural data and general site data were incorporated where possible. Due to differences in the survey methods, this information, in some instances, was either not recorded or was recorded in a form that did not permit viable comparison. The following data sources were used:

1. Browne et al. (2000). A survey of broadleaf woodlands in three SACs: Barrow-Nore, River Unshin and Lough Forbes:

From this report, 71 relevés, recorded from 40 sites in Cos. Kilkenny, Longford, Sligo and Wexford in 2000, were incorporated. The relevés were recorded using Domin, but the cover of tree species was recorded separately in canopy, shrub and field layers, and the cover of the climbing species *Hedera helix* and *Lonicera periclymenum* was recorded separately as either ground cover or lianes. For each of these species the highest recorded Domin value was therefore used.

Structural data were recorded for the 10 m x 10 m relevés only. Diameter measurements were made for trees \geq 10 cm dbh rather than \geq 7 cm dbh as in the main survey. To compensate for this, each regenerating stem which had been tallied in a juvenile class (height \geq 1.5 m and \leq 10 cm dbh) was assigned a dbh of 7 cm. For some multi-stemmed trees, diameter of the stool rather than dbh of individual stems was recorded. Soil samples were taken and analysed as for the main survey and basic environmental and general site data were recorded. Site species lists were recorded.

2. van der Sleesen & Poole (2002). Inventory of semi-natural woodlands in the eastern part of County Offaly: a pilot study for the national inventory of native woodlands.

From this report, 70 relevés recorded from 55 sites in Co. Offaly in 2001 were incorporated. The relevés were recorded using a combination of Domin and percentage cover (which was converted to Domin). Structural data were recorded for the 10 m x 10 m relevés only but diameter measurements were made for all trees \geq 7 cm dbh as in the main survey. Soil samples were taken and analysed as for the main survey, except that 20 cm deep cores were taken and a 1:2 soil / water paste was used. Basic environmental and general site data were recorded. Site species lists were recorded.

3. Fernandez et al. (2005). Raised bog monitoring project 2004/2005.

Five relevés recorded from five active bog sites in 2004 and 2005 were incorporated. The relevés were recorded using percentage cover, which was converted to Domin. Structural data were sometimes recorded for the 10 m x 10 m relevé only, but diameter measurements were made for all trees \geq 7 cm dbh as in the main survey. Basic environmental and general site data were deduced from maps. Site species lists were recorded. No soil data were available.

4. van der Sleesen, unpublished data.

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Four relevés recorded from two sites near Ballykilcavan, Co. Laois in 2001 were incorporated. The 10 m x 10 m relevés were recorded using Domin. Basic environmental and general site data were deduced from maps. No structural or soil data were available.

5. Kelly & Fuller, unpublished data.

Four relevés recorded from one site, Park Hill, near Abbeyleix, Co. Laois in 1990 were incorporated. The 10 m x 10 m relevés were recorded using percentage cover, which was converted to Domin. No structural data were available but soil pH was recorded.

6. Smith, unpublished data.

Five relevés from St. John's Wood Nature Reserve, Co. Roscommon, recorded in 2007, were incorporated. Data were recorded as per the main survey with the exception of soil data, which were not recorded.

2.5 Identification of Annex I habitats and compilation of monitoring guidelines

Collected data and the resulting classification were used to retrospectively assign relevés Annex I habitat status where appropriate. The criteria for identification of these habitats were a combination of the descriptions in the *Interpretation manual of European Union habitats* (Anon. 2007b), discussion with NPWS staff and expert judgement.

91A0 Old sessile oak woods with *llex* and *Blechnum* in the British Isles

Relevés with cumulative cover for *Quercus petraea*, *Quercus robur* and *Q. petraea* x *Q. robur* of greater than 25% were examined. Stands dominated by *Q. robur* were included as they occasionally occur naturally over an acidophilous field layer in Ireland. Relevés were given Annex I status where they were allocated to an essentially acidophilous oakwood grouping by the cluster analysis or where they contained three or more of the following species deemed indicative of this habitat in Ireland: *Blechnum spicant, Luzula sylvatica, Lonicera periclymenum, Oxalis acetosella, Polypodium vulgare* and *Vaccinium myrtillus*. Further examination of the data granted 91A0 status to a small number of additional sites.

91D0 * Bog woodland

Bog woodland in Ireland has been deemed to occur in four situations: intact high bog, acid fen, areas of degraded raised bog with a high water table, and oligotrophic flushed sites. Relevés were examined which had a cumulative cover of greater than 10% cover for *Sphagnum* spp. Following further examination of vegetation and soil data to ensure that environmental conditions were generally wet, oligotrophic and acidic, the majority of these relevés were given Annex I status.

91E0 * Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (Alno-padion, Alnion incanae, Salicion albae)

Relevés which were located within 20 m of a stream, river or lake according to GIS data, and / or which occurred on an alluvial soil according to the *EPA Soil and Subsoil Mapping Project* (Fealy 2006) were given Annex I status if they had been allocated to a wet woodland grouping by the cluster analysis. Of the remaining relevés, those which had been assigned a Fossitt

(2000) category that could correspond to habitat 91E0 (namely WN4, WN5, WN6, WD) were further examined where they occurred within 20 m of a natural water feature or alluvial soil. However, less than half of these were deemed suitable for 91E0 status. It is recognised that many larger rivers would affect the hydrology of woodlands at a distance greater than 20 m away from the river banks, but the data were not available to indicate where on the larger rivers more extensive flood plains would occur. Gallery woodland dominated by non-native or doubtfully native willows is considered to correspond to habitat type 91E0 in Ireland.

91J0 *Taxus baccata woods of the British Isles

Only five relevés were recorded with high cover of *Taxus baccata*. All occurred on outcropping limestone in apparently natural communities and all were given Annex I status.

Monitoring guidelines were produced for each of these Annex I habitats using the collected data with reference to the following documents. Monitoring of conservation status is an obligation arising from Article II of the Habitats Directive for all habitats listed in Annex I of the Directive. The guidelines are presented in a technical addendum at the back of this volume.

- Draft field methodology to assess the conservation status of dune habitats (Anon. 2007c)
- Common standards monitoring guidance for woodland habitats (JNCC 2004)
- The Irish red data book 1: Vascular plants (Curtis & McGough 1988)
- Conservation Status Assessment Reports on Annex I habitats in Ireland from 2007
- Interpretation manual of European Union habitats (Anon. 2007b)
- Natura 2000 standard form explanatory notes.

2.6 Conservation and threat assessment

Conservation of habitats is often best achieved on a site-by-site basis, with specific management plans based on the individual characteristics of a given habitat at a particular site (e.g. management, history, rarity). However, it is also useful to be able to evaluate sites in the context of others, and to make general comparisons regarding their status. In the longer term, this is also important for monitoring individual sites, so that the effects of any management, conservation-orientated or otherwise, may be objectively assessed. To this end, the site survey procedure collected data on a number of factors that are intrinsic parts of the woodland ecosystem, and which may be used to help to evaluate woodland condition. Separate assessments were made for conservation value and internal threats. Whilst external threats, such as clearance for development or agriculture, are undoubtedly important factors, it was beyond the scope of this survey to quantify them.

The conservation value of each site was calculated using the scheme presented in Table 2.4. This is a modification of the scheme presented by Martin *et al.* (2005) and Perrin *et al.* (2006b). A similar approach has been used previously by van der Sleesen & Poole (2002) and by the working group on biodiversity assessment in forests (Neville 2002). In addition, the

approaches taken by Ratcliffe (1977), Kirby (1988) and Cross (1990) were considered when developing this scheme.

The scheme places emphasis on the naturalness of sites, with weighting of scores tending towards features which are generally regarded as more natural woodland aspects, such as high native species diversity, occurrence of natural regeneration and high structural diversity. The term saplings refers here to the number of freely regenerating stems, >2 m tall and with a dbh <7 cm, recorded in each relevé. Horizontal diversity refers to the standard deviation of stem dbh at each relevé. Native status was assessed by calculating the percentage of total basal area at each relevé contributed by native species. Notable species are listed in Table 2.5; these are rare species typically found in woodland, or species which are indicative of long-established woodland. This list is based largely on that presented by van der Sleesen & Poole (2002). Among the other criteria, the area of woodland, the number of native woodland habitat types and the occurrence of Annex I woodland habitats permit high scoring as these are also important factors. Points were given for the occurrence of historical man-made features such as old banks, walls and ruined buildings. Native woodland habitat types and adjacent semi-natural habitats are as defined by Fossitt (2000).

Scores were calculated as percentages of the maximum possible score. This permitted the assessment of sites which could not be scored for some criteria due to lack of data. For criteria dependent on relevé data, the highest value was used where two or more relevés were recorded at a site.

Quartiles were used to determine the scoring divisions for vascular plant diversity (score increases by quartile) and bryophyte diversity (lowest and highest scores for first and fourth quartiles respectively; intermediate score for the interquartile range). For area, sites which were very small (<2 ha) or very large (>50 ha) were given the lowest and highest scores respectively. Quartiles were then used to score the remaining sites which fell between these two sizes.

The assessment of threats to each site was based on the criteria detailed in Table 2.6. The following species constituted invasive species: Rhododendron ponticum, Prunus laurocerasus, Symphoricarpos albus, Fallopia japonica, Cotoneaster spp., Cornus sericea, Clematis vitalba. Leycesteria formosa, Impatiens glandulifera and Heracleum mantegazzianum. Low-level infestation denotes sites where the highest invasive score recorded was 2, whilst high-level infestation denotes sites where the highest invasive score recorded was 3-5. Saplings are here defined as the number of freely regenerating stems, >2 m tall and <7 cm dbh, recorded in each relevé. Damaging activities consisted of recent native felling, recent non-native conifer planting, recent non-native broadleaf planting, dumping and adjacent quarrying. The non-native canopy criterion refers to the general site survey. Abundance of standing dead or damaged trees was included in the threat scoring system to reflect deterioration in woodland quality due to unseen or unknown causes.

Criteria	Scoring	Max.
Vascular plant diversity	$1 = \leq 50$ species 2 = 51-65 species 3 = 66-80 species 4 = >80 species	4
Bryophyte diversity	0 = 0 species 1 = <12 species 2 = 12-24 species 3 = >24 species	3
Free regeneration of native species	0 = no saplings 1 = 1-4 saplings 2 = ≥5 saplings	2
Horizontal diversity	$0 = \sigma \text{ of } <7 \text{ cm}$ $1 = \sigma \text{ of } 7-14 \text{ cm}$ $2 = \sigma \text{ of } >14 \text{ cm}$	2
% native basal area	0 = ≤50% 1 = 50.1-75% 2 = 75.1-90% 3 = 90.1-100%	3
Annex I woodland habitats	0 = no Annex I woodland habitat 1 = 1 Annex I woodland habitat 2 = \geq 2 Annex I woodland habitats	2
Notable species	0 = 0 species 1 = 1 species 2 = 2 species $3 = \ge 3$ species	3
Area	0 = <2 ha 1 = 2-3.9 ha 2 = 4-6.9 ha 3 = 7-13 ha 4 = 13.1-50 ha 5 = ≥50 ha	5
Diversity of native woodland habitats	1 = 1 habitat 2 = 2 habitats 3 = ≥3 habitats	3
Presence in the 1840s	0 = no woodland indicated in 1840s 1 = some woodland indicated in 1840s	1
Adjacent semi-natural habitats	0 = no adjacent semi-natural habitats 1 = ≥1 adjacent semi-natural habitats	1
Natural hydrological features	0 = no natural hydrological features 1 = ≥1 natural hydrological features	1
Petrifying springs with tufa formation	0 = no petrifying springs 1 = petrifying spring recorded	1
Dead wood	 0 = coarse woody debris, standing dead, standing damaged and snags/snapped all recorded as rare or occasional and uprooted root plates recorded as rare, frequent or abundant. 1 = ≥1 of coarse woody debris, standing dead, standing damaged or snags/snapped recorded as frequent or abundant or uprooted root plate recorded as occasional 	1
Man-made features and woodland management	0 = no notable man-made features or coppice/pollard recorded $1 = \ge 1$ man-made features or coppice/pollard recorded	1
Maximum Score		33

Table 2.4 . Criteria used in the calculation of the conservation score of each site. See text for
explanation of criteria.

Vascular species		
Anemone nemorosa	Milium effusum	
Arbutus unedo	Monotropa hypopitys	
Bromus racemosus	Neottia nidus-avis	
Cardamine amara	Orobanche hederae	
Campanula trachelium	Phegopteris connectilis	
Carex depauperata	Prunus padus	
Carex strigosa	Pyrola media	
Cephalanthera longifolia	Pyrola minor	
Frangula alnus	Pyrola rotundifolium	
Galium odoratum	Rhamnus cathartica	
Gymnocarpium dryopteris	Sorbus devoniensis	
Hordelymus europaeus	Sorbus hibernica	
Hypericum hirsutum	Stachys officinalis	
Lamiastrum galeobdolon ssp. montanum	Trichomanes speciosum	
Melica uniflora	Viola hirta	
Lichen species		
Dimerella lutea	<i>Lobaria</i> spp.	
Peltigera horizontalis	Sticta spp.	

Table 2.5 Notable species used as part of the conservation assessment.

For some of the sites incorporated from external sources, it was not possible to produce a threat score due to lack of data. Conservation and threat scores were not combined to produce one overall score. Combining scores can lead to misinterpretation when comparing sites, as for example a medium quality site with no threats could achieve the same score as a high quality site with many threats.

Table 2.6. Criteria used in the calculation of the threat score of each site. See text for explanation of criteria.

Criteria	Scoring	Max
Invasive species	0 = none recorded	
	1 = low level infestation	2
	2 = high level infestation	
Grazing	0 = low/moderate grazing	
	1 = no grazing	3
	2 = high grazing	3
	3 = severe grazing	
Free regeneration of	0 = no saplings	
non-native species	1 = 1-4 saplings	2
	2 = ≥5 saplings	
Damaging activities	0 = no damaging activities	
	1 = 1 damaging activity	3
	2 = 2 damaging activities	5
	3 = ≥3 damaging activities	
Non-native canopy	0 = no mature non-native species. recorded as abundant or dominant	1
	$1 = \geq 1$ mature non-native species recorded as abundant or dominant	1
Standing	0 = neither standing dead nor standing damaged recorded as abundant	
dead/damaged	1 = standing dead or standing damaged recorded as abundant	1
Maximum Score		12

2.7 Vegetation analysis

A suite of complementary statistical techniques were used to analyse the dataset. Analysis was conducted using PC-ORD 4 (MjM Software, Oregon) with the aim of defining an objective classification. Domin scores were converted to percentage cover using the method of Currall (1987) prior to analysis, as mean values cannot be calculated directly from a non-linear scale. Only records which had been identified to species level were included in the analysis, as records at the genus level (e.g. *Carex* sp.) may be amalgams of species with markedly different ecological preferences and therefore meaningless. Due to known identification and taxonomic problems the following species were combined: *Viola riviniana* and *Viola reichenbachiana*, *Ulota crispa* and *Ulota bruchii*, *Sorbus hibernica* and *Sorbus aria*, *Agrostis canina* and *Agrostis vinealis*, *Sphagnum fallax*, *Sphagnum angustifolium* and *Sphagnum recurvum*. Following preliminary analysis, *Quercus petraea* x *Q. robur* records were combined in leaf morphology than *Q. robur* (Kelleher *et al.* 2004). Outlier analysis was used to identify any relevé samples suitable for exclusion.

The main methods used to produce the classification were:

Hierarchical, polythetic, agglomerative cluster analysis: This procedure was used for grouping the data into vegetation types. From a data matrix of n samples x p species, an $n \times n$ distance matrix is calculated by measuring the dissimilarity (or similarity) between each pair of samples. The most similar samples, which are selected using a predetermined criterion of minimum distance (linkage method), are merged into a group and their attributes are combined. The procedure is repeated n - 1 times until the samples have been merged (clustered) into two groups, with the results being structured as a dendrogram (McCune & Grace 2002). Quantitative Sørensen (Bray-Curtis) was selected as the distance measure, as it has been shown to be one of the most effective measures for ecological community analysis, being less prone to exaggerating the influence of outliers and retaining greater sensitivity with heterogeneous datasets (McCune & Grace 2002). Flexible beta was used as the linkage method with β = -0.25 (Lance & Williams 1967). This option is compatible with Sørensen distance and is space-conserving, i.e. properties in theoretical space defined by the original dissimilarity matrix are preserved as groups form during the cluster procedure. Spacedistorting strategies can lead to undesirable effects such as high levels of chaining, the sequential addition of single items to existing groups (Legendre & Legendre 1998; McCune & Grace 2002).

Hierarchical clustering was chosen over two other popular classification methods: TWINSPAN (Two Way Indicator Species Analysis) and K-means clustering. Serious weaknesses in the TWINSPAN method have previously been highlighted, not least its poor performance with heterogeneous datasets containing more than one important gradient and the loss of information from quantitative data inherent in the 'pseudospecies' concept (Belbin &

McDonald 1993; Legendre & Legendre 1998). The lack of dimensionality in dendrograms resulting from hierarchical clustering is, conversely, an advantage when dealing with heterogeneous datasets (McCune & Grace 2002). A more valid alternative is K-means clustering, a non-hierarchical cluster technique. The K-means method is not suitable for directly clustering most ecological datasets, however, as it employs the Euclidean distance measure (Legendre & Legendre 1998).

Indicator Species Analysis (ISA): This method of Dufrene & Legendre (1997) was used to identify species that differentiated between clusters of samples. ISA produces percentage indicator values (IndVals) for species and works on the concept that, for a predetermined grouping of samples, an ideal indicator species will be found exclusively within one group and will be found in all the samples in that group at maximum abundance. IndVals are thus a simple combination of measures of relative abundance between groups and relative frequency within groups. At any given level of clustering, species are assigned to the group for which their IndVal is maximal. Dufrene & Legendre (1997) concluded that ISA was more sensitive at identifying indicator species than TWINSPAN.

Multi-response permutation procedure (MRPP): This method was employed to test for significant differences between the groupings determined by the hierarchical clustering. This is essentially a non-parametric multivariate test and thus avoids the normality requirements of parametric multivariate tests such as discriminant analysis (McCune & Grace 2002). As it is statistically inappropriate to test for differences between groups using the same variables that define them, MRPP was run on a matrix of five environmental variables: pH, total P, % organic content, slope and altitude. In addition to a *p*-value, MRPP produces a statistic *A* which describes chance-corrected within-group heterogeneity. *A* = 1 when all samples within groups are identical, *A* = 0 when heterogeneity within groups equals expectation by chance and A < 0 when within-group heterogeneity is less than that expected by chance. Euclidean distance was used on a rank transformed matrix following relativization of columns to standard deviates (McCune & Grace 2002).

Ellenberg indicator values: Ellenberg (1979, 1988, Ellenberg *et al.* 1991) assigned scores to over 2000 vascular plants indicating how these species "behaved" in respect to a range of environmental factors. By calculating mean values of these scores for vegetation samples it is possible to use them as proxy measures of environmental factors. As the original scores were based on field sites in central Europe, Hill *et al.* (1999) recalibrated the scores for British conditions with respect to five environmental factors: light, reaction (pH), nitrogen (a measure of soil fertility), moisture and salinity. Using this recalibration, for each of the relevés the mean score for each of these factors was calculated, weighting scores by cover abundance. The scores were then used to calculate means for each grouping produced by the cluster analysis.

Non-metric multidimensional scaling (NMS): This was used to illustrate the relationships between relevés and between relevés and environmental variables. This iterative ordination technique is particularly well suited for analysis of ecological community data as it works well with non-normal datasets, allows the use of non-Euclidean distance measures, and does not assume that species have linear or unimodal responses to environmental gradients (McCune & Grace 2002). Being based on ranked distances, NMS is less prone to distortion due to outliers. For ecological analysis, NMS has been recommended over the more widely used Detrended Correspondence Analysis (DCA) method which has been seriously criticised by several authors (e.g. Minchin 1987; Legendre & Legendre 1998; McCune & Grace 2002). Species occurring in fewer than 3 relevés were omitted to reduce noise, hence the ordination was run on a matrix of 1667 relevés and 458 species. The analysis was run in PC-ORD and was used with the following parameters: 2 axes, no step down in dimensionality, maximum number of iterations = 200, 20 runs with real data, stability criterion = 0.00001, last 15 iterations used to assess stability. The use of the Quantitative Sørensen (Bray-Curtis) distance measure permits ready comparison of the results with those of the hierarchical cluster analysis.

Hazel woodland and scrub, Ballynahown, Co. Clare

Wooded Landscapes



Wooded hillside, Tomies Wood, Co. Kerry



Wooded ravine, Glassalt, Co. Leitrim

Upland valley woodland, Glenveagh, Co. Donegal

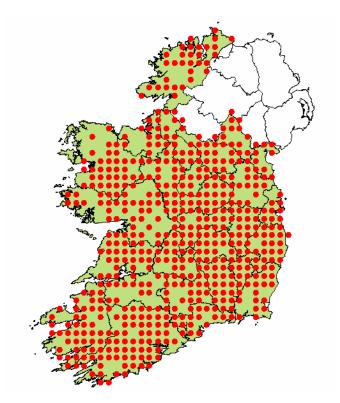
Riparian woodland, Grove Island, Co. Meath



3.1 Coverage of the survey

In total 1,217 sites were surveyed and 1,508 relevés were recorded during the NSNW. A further 103 site with 159 relevés were added from external sources, resulting in a final dataset of 1,320 sites and 1,667 relevés. Sites were surveyed in 563 different hectads (10 km x 10 km squares), representing 66% of the hectads which cover the country (Fig. 3.1). In the east of the country, hectads where sites were not recorded generally represent areas of intensive agriculture in which no suitable woodland habitat was present. In the west of the country, these hectads also represent areas of blanket bog or small sections of coastline.

Figure 3.1 Coverage of the survey on hectad (10 km x10 km square) basis.



The number of sites surveyed in each county varied approximately in proportion to the size of the county (Table 3.1). The exception to this is Offaly, where a high density of sites was recorded during the pilot study (van der Sleesen & Poole 2002). The highest proportions of relevés which were allocated to an Annex I habitat category occurred in Kerry, Wexford, Wicklow and Waterford. These are all areas in which habitat 91A0 (Old sessile oakwoods with *Blechnum* and *Ilex* in the British Isles) is common. The poorest counties with respect to Annex I habitats were Louth, Offaly, Meath, Westmeath and Roscommon.

County	No. of sites surveyed	No. of relevés	No. of Annex I relevés	County	No. of sites surveyed	No. of relevés	No. of Annex I relevés
Carlow	28	34	16 (47%)	Longford	47	64	12 (19%)
Cavan	69	82	24 (29%)	Louth	26	30	2 (6%)
Clare	64	80	29 (36%)	Mayo	40	51	17 (33%)
Cork	105	126	62 (49%)	Meath	48	61	7 (11%)
Donegal	40	60	21 (35%)	Monaghan	43	51	9 (18%)
Dublin	22	24	4 (17%)	Offaly	94	113	10 (9%)
Galway	55	85	26 (31%)	Roscommon	46	54	7 (13%)
Kerry	63	82	49 (60%)	Sligo	31	44	17 (39%)
Kildare	46	54	8 (14%)	Tipperary	46	65	24 (37%)
Kilkenny	58	79	23 (29%)	Waterford	35	49	27 (55%)
Laois	45	60	11 (18%)	Westmeath	62	72	9 (12%)
Leitrim	42	46	14 (30%)	Wexford	55	67	40 (60%)
Limerick	22	35	16 (46%)	Wicklow	88	99	55 (56%)

 Table 3.1 Number of sites surveyed, number of relevés recorded and number of Annex I habitat relevés by county.

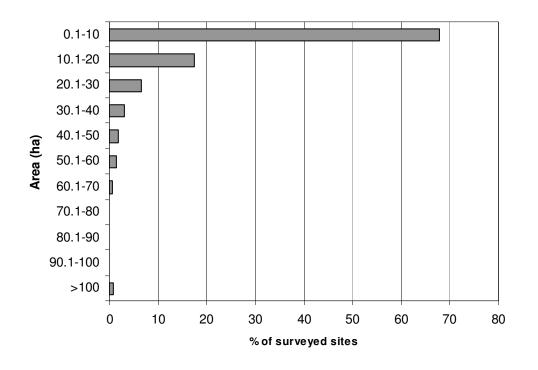
3.2 Area

Data on woodland area were available for all 1,320 surveyed sites. Area was primarily derived from FIPS but the area of many sites was re-evaluated following field survey when it became apparent that part of the targeted site was unsuitable. Sites not corresponding to FIPS polygons (non-FIPS sites) and extensions to FIPS sites where relevés were recorded were digitised manually and the area recalculated.

The extent of woodland is evidently of key importance to the conservation value of a site as larger sites are likely to harbour more species, larger populations and a greater range of woodland vegetation types. In addition, as size increases, the perimeter : area ratio tends to decrease and so does the relative influence of edge effects, resulting in a greater proportion of internal woodland environment.

The majority of surveyed woodlands were small or very small in extent, with 50% of sites being 6 ha or less. Despite prioritisation of larger areas of woodland for field survey, over two-thirds (67.8%) of sites were 10 ha or less and only 3.3% of sites surveyed were 50 ha or more, with just ten sites over 100 ha (Fig. 3.2). This reflects the highly fragmented nature of the Irish woodland resource as reported in section 1.4. The largest sites surveyed include Dromore Nature Reserve, Galway (Site 1500; 330 ha), Garryland Wood, also in Galway (Site 1594; 178 ha) and Glengarriff Wood, Cork (Site 1316; 140 ha).

Figure 3.2 Area of surveyed sites.



3.3 Landscape features

Data on the landscape features associated with the woodlands were collected for the 1,217 sites surveyed during the main survey. The frequency of the most commonly recorded features is shown in Fig. 3.3.

Valley was the most frequently recorded feature (28.3% of sites). A large number of the sites surveyed occurred along streams and rivers, or on valleysides. Woodland has probably been allowed to persist or establish in these situations as slope or poor drainage makes the sites less attractive for other land uses. Valley woodlands made up over half of the woodlands surveyed in Waterford, Wicklow, Wexford, Dublin, Carlow, Kerry and Cork. Hillside (23.0%) was the second most recorded feature, associated with over half of the sites surveyed in Donegal and Mayo. Bog (13.0%) was also a common feature, particularly in the Midlands. Here, many woods are associated with the expanses of degraded raised bog which have been machine-cut for peat, although woodland was also recorded on smaller, formerly handcut sites. Woodland on bogs occurred most frequently in Offaly, Roscommon, Longford, Westmeath and Kildare, accounting for over one-third of woodlands surveyed in these counties. It should be noted that several additional woodlands surveyed in pilot studies were also associated with bogs, particularly in Offaly. Woodlands associated with lakeshores (12.7%) were generally either long, narrow strips on well-drained but frequently flooded ground, or more extensive sites on wetter soils. Lakeshores were a feature found regularly through Cavan, Leitrim, Sligo, Monaghan, Clare, Longford, Mayo and northern Roscommon: at least a quarter of all woodland sites in these counties were associated with lakes. Only 3.3% of sites were associated with drumlins, predominantly in Monaghan, Cavan, Roscommon and Leitrim, and were recorded in association with over a quarter of Monaghan woodlands. Woodlands primarily associated with flat river floodplains and lowland riversides were relatively rare, accounting for only 3.9% of sites, although over 15% of Kildare woodlands surveyed occurred into this context. Eskers were a rare feature, occurring in association with only 2.1% of sites, mostly in Offaly and Westmeath. Only six sites on islands were surveyed, representing 0.5% of sites. These were river islands in the Boyne, Suir, Blackwater and Shannon. A small number of other landscape features were also recorded, mostly where woodlands were associated with coastlines and limestone pavement areas. At 17.8 % of sites no particular landscape features were recorded. These woodlands typically occurred in the context of plains or undulating lowlands.

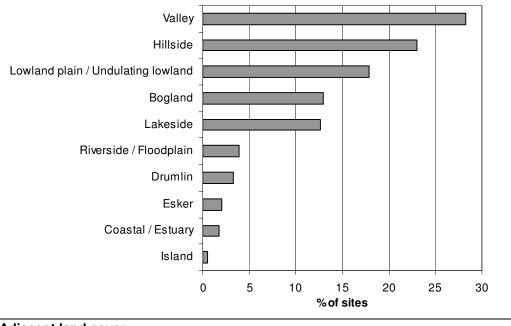


Figure 3.3 Frequency of landscape features associated with surveyed sites.

3.4 Adjacent land cover

Data on adjacent land cover were recorded using the categories of Fossitt (2000) for the 1,217 sites surveyed during the main survey. The presence of semi-natural habitats next to a woodland can increase the value of that site as it forms part of a larger mosaic of semi-natural vegetation. It can also indicate that the woodland has the possibility of natural expansion by colonising the adjacent land. The presence of man-made habitats, such as tilled or built land or quarries, may indicate that the site is under some degree of external threat. A summary of the data on adjacent land use is shown in Table 3.2. Note that linear habitats such as hedgerows and treelines are not included as adjacent land cover.

The most notable feature of the data is that the majority of woodlands were associated with man-made habitats, with improved grassland (71.5% of sites), built land (including roads; 50.5%) and highly modified / non-native woodland (43.5%) being the most frequently

recorded adjacent land cover. This reflects the high number of woodlands which occur within the agricultural landscape, but also the number of sites which occur in conjunction with commercial forestry plantations or as part of large demesnes. The high proportion of sites adjacent to built land represents urban locations and woods next to roads, farmyards and rural dwellings.

Habitat groups	Habitat subgroups	Code	% sites
Freshwater	Lakes and ponds	FL	17.9
	Watercourses	FW	28.2
	Springs	FP	0.2
	Swamps	FS	3.7
Grassland and marsh	Improved grassland	GA	71.5
	Semi-natural grassland	GS	35.7
	Freshwater marsh	GM	2.2
Heath and dense bracken	Heath	HH	5.8
	Dense bracken	HD	5.2
Peatlands	Bogs	PB	12.1
	Fens and flushes	PF	3.0
Woodland and scrub	Semi-natural woodland	WN	2.5
	Highly modified/non-native woodland	WD	43.5
	Scrub/transitional woodland	WS	21.0
Exposed rock and disturbed ground	Exposed rock	ER	2.5
	Disturbed ground	ED	4.1
Cultivated and built land	Cultivated land	BC	8.2
	Built land	BL	50.5
Coastland	Sea cliffs and islets	CS	0.3
	Brackish waters	CW	1.0
	Salt marshes	СМ	0.3
	Shingle and gravel banks	CB	0.3
	Sand dune systems	CD	0.4
	Coastal constructions	CC	0.1
Littoral (intertidal)	Littoral sediment	LS	0.9
Marine water body		MW	0.6

Table 3.2 Frequency of recording of adjacent land use classes using the
categories of Fossitt (2000).

The semi-natural habitats encountered most often were semi-natural grassland (35.7%), watercourses (28.2%), scrub (21.0%), lakes and ponds (17.9%) and bogs (12.1%). The frequency of scrub is a good indicator that woodland is expanding at a number of the sites surveyed. These include many of the sites bordered by bogs, the vast majority of which are birch-dominated woodlands, themselves developing on degraded raised bog. There are several points of note within the less frequently recorded habitats. Swamps tended to be tall beds of *Phragmites australis* which formed a transition between wet woodlands on lakeshores and the open water. Exposed rock and disturbed ground were categories recorded for a number of woodlands next to abandoned and active quarries, which were particularly frequent features of esker woodlands; exposed rock was also recorded for woodlands occurring on or adjacent to limestone pavement, as was the case for some woodlands in Clare and Galway.

A number of woods were coastal and were recorded next to a range of coastal features, including sand dunes, e.g. Courtown Dunes, Wexford, river estuaries, such as Cornamucklagh in Louth on the Newry River, or more rugged coastline, as at Courtmacsherry, Cork.

3.5 Invasive species

36

Data on invasive alien species were recorded from the 1,217 sites of the main survey. Invasive species, particularly invasive shrubs and trees, are a major threat to native woodland. They are characterised by being highly competitive, typically quick growing and highly fecund, and are often unpalatable to browsing animals.

Invasive shrubs can dominate the understorey, outcompeting native herbs and impacting on the natural regeneration of native trees. Invasive levels were recorded for nine invasive shrub species (Fig. 3.4). Of these, *Rhododendron ponticum, Prunus laurocerasus* and *Symphoricarpos albus* were the most frequently encountered. *R. ponticum* occurred at 23.2% of sites and *P. laurocerasus* at 20.4% of sites. Furthermore, in around half of these sites, infestation levels were classified as high. In contrast, *S. albus*, in common with the five less frequently recorded shrubs, occurred at low infestation levels at the majority of sites where it was recorded. Many of the sites where invasive shrubs were recorded were woodlands associated with demesnes and estates.

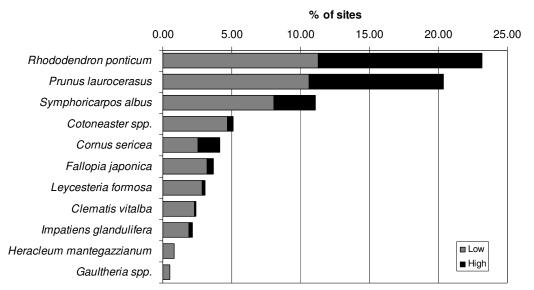


Figure 3.4 Frequency of invasive shrub species. Low indicates an invasive level of 2. High indicates an invasive level of 3, 4 or 5.

Invasive levels were also recorded for two herbaceous invasive species: *Heracleum mantegazzianum* and *Impatiens glandulifera* (Fig. 3.4). These species pose more of a problem in wet woodlands, particularly where rivers act as a dispersal agent for their seeds. In common with the shrub species described above, they outcompete native vegetation and may

adversely affect the natural ecology of the woodland if allowed to spread. *H. mantegazzianum* was recorded in a small number of sites (0.8%), while *I. glandulifera* was slightly more frequent (2.1%).

Data recorded on the DAFOR scale on the two most frequent invasive broadleaf trees, *Acer pseudoplatanus* and *Fagus sylvatica*, and the most frequent conifer, *Picea sitchensis*, are shown in Table 3.3. *Acer pseudoplatanus* occurred at 73.2 % of the 1,217 sites used in this analysis and *Fagus sylvatica* at a comparable 69.0% of sites. Mature sycamore trees were at least frequent at 11.7% of sites, with juveniles at least frequent at 5.7%, saplings at least frequent at 7.2% and seedlings at least frequent at 7.0% of sites. Mature *Fagus sylvatica* trees were, however, more common, being at least frequent at 19.3% of sites, whilst beech juveniles were at least frequent at 6.1% of sites. Seedlings and saplings of beech were much less common than those of sycamore. *Picea sitchensis* was recorded from 24.7% of sites but mature trees were at least frequent at only 1.4% of sites and frequent regeneration was rarely recorded.

Table 3.3 Frequency in percent of selected invasive tree species at sites and within four size classes. D = Dominant, A = Abundant, F= Frequent.

Species	Sites	Se	edling	js	S	apling	js	Ju	ıvenil	es		Matur	e
		D	А	F	D	А	F	D	А	F	D	А	F
Acer pseudoplatanus	73.2	0.1	2.1	5.8	0.1	1.2	5.9	0.1	0.7	4.9	0.5	3.0	8.2
Fagus sylvatica	69.0	0.0	0.4	2.2	0.0	0.2	2.8	0.1	0.9	5.1	1.9	5.0	12.4
Picea sitchensis	24.7	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.2	1.2

In interpreting these results it is important to bear in mind that potential survey sites or partial areas of sites may have been rejected due to high occurrence of one or more invasive species, where it was viewed that infestation, possibly in conjunction with other criteria, had sufficiently impacted on the native status of the site. These figures *must* therefore be viewed as minimal estimates of the occurrence of these species in Irish woodland.

3.6 Management and land use

Data on management and land use of woodland were collected for the 1,217 sites in the main survey. Some of the management types recorded are related to the history of the sites and can be informative about how the woodlands have developed. Other management types are indicative of potential internal threats that sites may face. The most frequently recorded management and land use types are shown in Fig. 3.5.

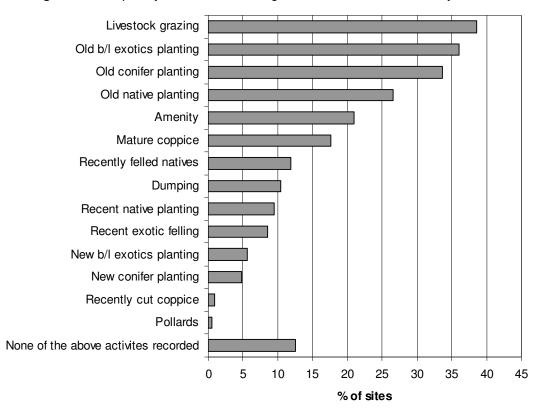


Figure 3.5 Frequency of observed management and land use at surveyed sites.

The modified nature of much of the woodland within the survey area is evidenced by the high frequency of old planting of non-native broadleaves (36.1% of sites) and conifers (33.6%). Sites with non-native broadleaves were often demesne woodlands, either parts of existing estates or remnants of old estates which have often now been converted into forestry plantations. For historical reasons such woodlands tend to be more frequent in the eastern half of the country, and this is borne out by the fact that old exotic broadleaf planting was recorded in over half of woodlands surveyed in Dublin, Wexford and Wicklow, but in less than a fifth of woods surveyed in Donegal, Roscommon, Leitrim and Cavan. Old non-native conifer planting included old commercial underplanting, failed conifer plantations, and ornamental plantings. Kildare registered the highest proportion of sites with old conifer planting (54%), followed by Dublin (53%) and Wexford (50%).

Use for amenity was a common occurrence (21.0%). The most frequent activities were shooting, fishing, walking or horse-riding, and these sometimes involved some active management such as the creation and maintenance of paths. Some form of amenity use was recorded in over one-third of woodlands surveyed in Meath, Waterford, Louth and Wicklow.

Mature coppice was observed at 17.7% of sites, particularly in Laois, Mayo, Offaly and Cork, and this was almost always hazel coppice. There are difficulties, however, in differentiating between stands which are genuinely the results of old coppice regimes and those which may be the result of single felling events or where multi-stemmed trees have naturally developed.

Coppice with standards of oaks is known from at least one large estate in Wicklow (Carey 2004), where coppicing was recorded from 15.9% of sites. Recently-cut coppice was encountered far less frequently (less than 1%).

Recent native planting (9.4%) was recorded more frequently than either recently planted nonnative broadleaves (8.5%) or non-native conifers (4.8%). This trend was particularly evident in counties with a history of planting, such as Wicklow, Kildare and Dublin. However, this was exceeded by the incidence of recent native felling overall (11.9%). This was highest in Donegal, where 22.5% of sites were affected, and was often associated with construction. In a number of counties, including Offaly, Kilkenny, Westmeath and Tipperary, there were several instances of felling (both legal and illegal) of ash trees for the production of hurleys.

Dumping, generally of domestic rubbish or farm machinery, was noted at 10.4% of sites, highest in Waterford and Kerry, where over one-third of sites were affected. This activity is almost certainly under-recorded, however, as dumping was often highly localised within a site, occurring at one or two points, typically along roads. Dumping of this nature was particularly prevalent in woodlands on degraded bog or adjoining roads.

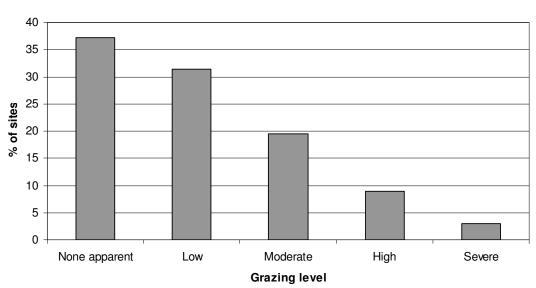
Livestock grazing is included here as a management practice. Grazing livestock recorded included cattle, sheep, horses, pigs, boar and donkeys. Some wild or feral grazers were also recorded (mainly rabbits/hares, deer and goats); these would not be classed as part of the management regime of the woodland *per se*, but rather as part of the natural ecology of the woodland. Grazing (including both livestock and non-livestock grazers) is discussed in more detail below. Livestock grazing was noted at 38.6% of all sites, the most frequent management type recorded. Cattle were by far the most frequent farm grazers, accounting for 67.6% of all recorded livestock grazing. Sheep were the next most common, present at just under 23.8% of livestock-grazed sites. Horses were recorded at 8.0% of these sites, with pigs, boar and donkeys accounting for the remaining 0.6% of sites.

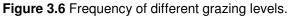
None of the above activities were recorded at 12.5% of sites; over two-thirds of these essentially unmanaged sites were not present on the 1st edition Ordnance Survey maps of the 1840s. Many of these younger sites have probably never been managed as woodland. A large number of the sites with no apparent management were wet woodlands, woodlands which developed relatively recently on degraded bogs, or woodlands on steep slopes, all of which could be difficult to access, dangerous for grazing animals or have little economic value. Some form of management was recorded on the vast majority (93.6%) of the older woods surveyed (i.e. present on 1840s maps). In fact, there are probably few or no old woodlands in the country that have not been managed at some time, but many of the management practices have since been abandoned and the sites have reverted to a condition where such practices are no longer clearly evident.

3.7 Grazing

Data on grazing levels were recorded for the 1,217 sites in the main survey. Grazing is a natural feature of woodland ecosystems, but a high level of grazing can be detrimental as it precludes natural regeneration and impacts on the diversity and species composition of the field layer. Conversely, a complete lack of grazing can also be undesirable as strong competitors, such as *Rubus fruticosus*, can dominate the field layer, again adversely affecting diversity and species composition.

Overall, heavy grazing was not a feature of the woods surveyed. High and severe grazing levels were infrequently encountered, occurring at only 9.0% and 3.0% of sites respectively (Fig. 3.6), while at 37.1% of sites no grazing was apparent. These woods may have been ungrazed because they were enclosed by walls, ditches or fences, on particularly wet and boggy ground, or in arable or urban landscapes.





Cattle (30.6% of sites) and deer (20.5%) were the most frequently identified grazers (Fig. 3.7). Cattle, unsurprisingly, tended to be recorded at more lowland sites (median maximum altitude 80m; median slope 7°), while deer overall tended to favour higher altitudes and steeper slopes compared to cattle (median maximum altitude 100m; median slope 10°). This is reflected in the county distribution of the two types of grazing: Wicklow had by far the highest percentage of sites grazed by deer, at over 59.1%, followed by Kerry at 43.5%. Both of these counties are mountainous and have well-established deer populations. By contrast, less than 10% of sites in Cavan, Sligo, Wexford, Leitrim and Westmeath were grazed by deer. Cattle grazing, however, occurred at only 20.5% of Wicklow sites and was highest in Clare (54.7%). Sheep, rabbits, horses, goats, and hares were recorded much less frequently than either deer or cattle. At a number of the sites, although grazing was apparent the animals responsible could not be identified.

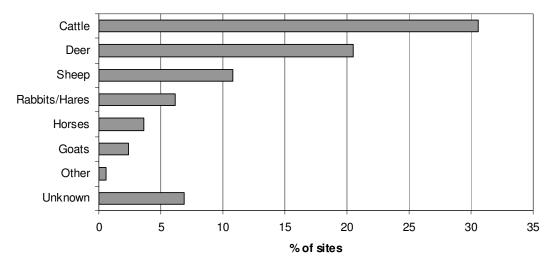


Figure 3.7 Frequency of evidence of grazing by different animals.

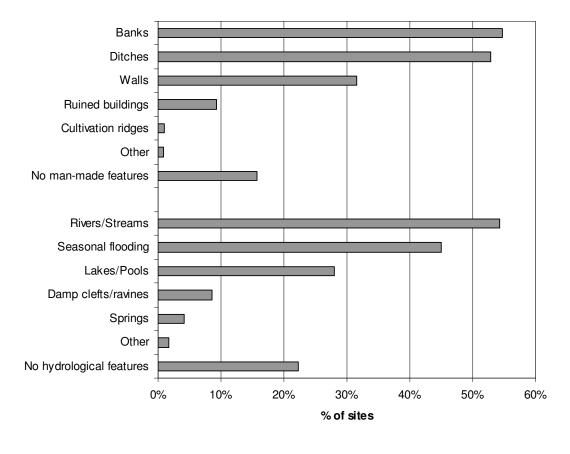
3.8 Hydrological and man-made features

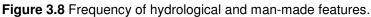
Data on hydrological and internal man-made features were available for the 1,217 sites of the main survey. Even if they are not extensive enough to effectively change the overall vegetation type, features such as pools, streams and areas of seasonal flooding can add ecological interest to a site by providing localised niches for plant and animal species which favour wetter conditions. Similarly, the presence of banks and walls increases the range of niches and substrates available, and can also constitute an important historical aspect of a site as they may form townland boundaries or may be old woodland boundaries.

Natural hydrological features were recorded in or associated with the majority of sites surveyed (77.6%). The most commonly recorded hydrological features (Fig. 3.8) were rivers or streams (54.2% of sites); these were recorded in over three-quarters of sites in Waterford, Kerry and Cork. Seasonal flooding was the next most frequent feature (44.9%), most prevalent in Limerick (77% of sites in the county). Lakes and pools were the third most common hydrological feature, at 28.0% of sites overall, and at more than half of all sites in Cavan, Monaghan, Roscommon and Longford. Damp clefts/ravines and springs were rare features, occurring at only 8.6% and 4.1% of sites respectively. At seven sites the priority Annex I habitat 7220 *Petrifying springs with tufa formation (Cratoneurion) was recorded. A small number of other features were also recorded, with the most common of these being flushes and waterfalls. A total of 22.4% of sites (ranging from 3% of sites in Donegal to 54% in Offaly) lacked any notable hydrological feature.

In terms of man-made features of potential historical interest, banks and ditches were the most common feature of the woodlands surveyed, each being found at over half the sites, sometimes in conjunction with one another. Over 70% of sites in Waterford, Kilkenny and Wexford had banks, while a similar frequency was recorded for ditches in Louth, Offaly and Tipperary. In contrast, banks were present in less than a quarter of sites in Dublin, Donegal and Galway, and in less than a third of sites in Cork, Kerry and Waterford. Walls were found

at 31.6% of sites, particularly in Mayo, Cork, Donegal, Waterford and Clare (over half of all sites in these counties), while ruined buildings and cultivation ridges were both rare features, occurring in 9.3% and 1.0% of sites respectively. A small number of other notable features were also recorded, including canals, ring forts, a limekiln and an old well. Man-made features were absent from 15.8% of sites.





3.9 Stand structure

A total of 47,416 trees were recorded during the main survey comprising 67,893 adult (dbh \geq 7 cm) stems and 73 taxa. A summary of the data is given in Table 3.4. *Betula pubescens* (21.4% of trees), *Fraxinus excelsior* (18.5%) and *Corylus avellana* (10.1%) were the most frequently recorded species. Of the non-native trees recorded, *Fagus sylvatica* and *Acer pseudoplatanus* were the most frequent, but constituted only 3.1% and 2.1% of all trees respectively. The rarest native species included *Populus nigra*, *Populus tremula*, *Prunus padus*, *Salix pentandra* and *Salix purpurea*, each recorded three or less times. In terms of basal area *Quercus petraea* (18.3% of the total), *Quercus robur* (14.1%), *Fraxinus excelsior* (15.4%) and *Betula pubescens* (13.6%) were the most important species. The multi-stemmed nature of *Corylus avellana* meant that it contributed a proportionately large number of stems (16.8%).

For the twelve most common species, mean heights are shown in Fig. 3.9 with crown position data shown in Fig. 3.10 and tree size frequency curves in Fig. 3.11. *Quercus robur* and *Quercus petraea* were the tallest trees on average, with mean heights of 17.0 m and 15.1 m respectively. Over 80% of these species occurred as dominants or co-dominants and rarely occurred as suppressed trees. The frequency curves for these species indicate that a substantial proportion of the metapopulation of oaks are large trees, with just over 17% of stems of both species being greater than 42 cm dbh. The shallowness of both curves suggests that there is a low turnover rate of adult trees. *Fraxinus excelsior* tended to be smaller than *Quercus* spp. overall, both in terms of height (mean = 14.3 m) and dbh. The majority of ash trees were again co-dominants but a slightly greater proportion than the oaks were intermediates. The sharp decline in the frequency curve suggests that many trees are outcompeted whilst still small in stature.

Fagus sylvatica and *Acer pseudoplatanus* display similar frequency curves to *Fraxinus excelsior*, although they were more frequent in the larger size classes. Their mean heights, however, were lower, being 14.2 m and 13.3 m respectively. Whilst most frequent as dominants or co-dominants, they were also common as intermediates, demonstrating the high competitive ability of the non-natives as they are able to persist in the understorey.

The frequency curve for *Alnus glutinosa* is noteworthy in that there are fewer records in the smallest size class than in the next smallest size class. This is indicative of there being inadequate recruitment to the adult size class to replace the current population. Alder trees were 12.2 m in height on average and most frequently occurred as co-dominants.

Betula pubescens measured 12.2 m on average and the majority of stems occurred as codominants, primarily due to the high frequency of birchwoods surveyed. The majority of *Salix cinerea* stems were also co-dominants despite the low height of the trees (mean = 8.6 m), due to the typically low canopy of wet woodlands. Many of the sprawling grey willow specimens measured had large limbs, with 3.9% of all *Salix cinerea* stems being greater than 42 cm dbh. *Sorbus aucuparia* occurred as an intermediate almost equally as frequently as a co-dominant, with a mean height of 9.7 m. Specimens seldom had a dbh greater than 27 cm.

The smallest species were *Corlyus avellana*, *Crataegus monogyna* and *llex aquifolium*; all measured less than 8 m on average. *Crataegus monogyna* and *llex aquifolium* occurred most often as intermediates typically with small dbh sizes, although occasionally larger specimens (dbh of 23-42 cm) were recorded. *Corylus avellana* was also abundant as an intermediate but more frequently occurred as a co-dominant in low canopy hazelwoods. The vast majority of hazel stems (86.0%) measured only 7-12 cm in diameter.

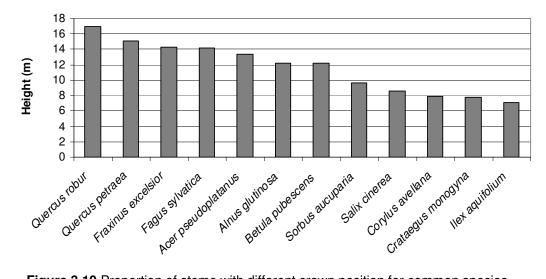
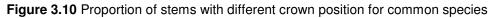
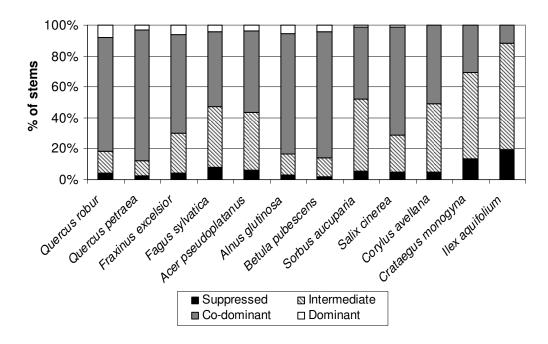


Figure 3.9 Mean height of adult tree stems for common species



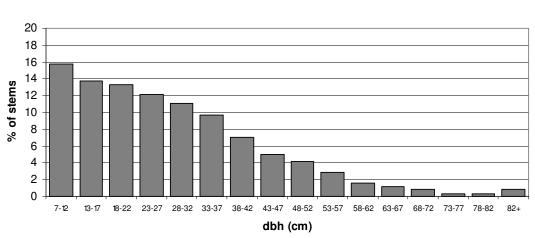


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Species	No. trees	% of trees	No. stems	% of stems	Basal area	% of basa
					(m²)	area
Betula pubescens	10126	21.356	13220	19.472	1035.80	13.636
Fraxinus excelsior	8771	18.498	10748	15.831	1172.55	15.437
Corylus avellana	4786	10.094	11434	16.841	369.72	4.867
Salix cinerea	3788	7.989	6488	9.556	463.89	6.107
Alnus glutinosa	3421	7.215	4964	7.312	598.55	7.880
Quercus petraea	3242	6.837	4104	6.045	1390.23	18.302
llex aquifolium	2851	6.013	3780	5.568	201.94	2.659
Quercus robur	2335	4.924	2835	4.176	1074.68	14.148
Crataegus monogyna	2099	4.427	2864	4.218	138.43	1.822
Fagus sylvatica	1455	3.069	1578	2.324	323.14	4.254
Acer pseudoplatanus	1003	2.115	1352	1.991	239.83	3.157
Sorbus aucuparia	822	1.734	1157	1.704	56.01	0.737
Quercus petraea x Q. robur	420	0.886	515	0.759	164.77	2.169
Ulmus glabra	255	0.538	312	0.460	25.17	0.331
Sambucus nigra	218	0.460	292	0.430	13.15	0.173
Pinus sylvestris	183	0.386	184	0.271	59.74	0.787
Salix caprea	182	0.384	284	0.418	33.46	0.441
Salix aurita x S. cinerea	167	0.352	257	0.379	8.25	0.109
Prunus spinosa	133	0.280	144	0.212	4.37	0.058
Taxus baccata	102	0.215	118	0.174	41.46	0.546
Picea sitchensis	92	0.194	92	0.136	14.91	0.196
arix decidua	63	0.133	63	0.093	14.94	0.197
Picea abies	61	0.129	61	0.090	11.76	0.155
Salix triandra	60	0.127	75	0.110	3.66	0.048
Salix sp.	57	0.120	76	0.112	4.52	0.059
Rhamnus cathartica	57	0.120	64	0.094	2.08	0.027
Salix fragilis	50	0.105	82	0.121	13.22	0.174
Euonymus europaeus	50	0.105	52	0.077	1.55	0.020
Alnus incana	49	0.103	68	0.100	4.16	0.055
Pseudotsuga menziesii	46	0.097	46	0.068	3.12	0.041
Carpinus betulus	36	0.076	39	0.057	2.13	0.028
Abies alba	35	0.074	35	0.052	10.01	0.132
Malus sylvestris	34	0.072	43	0.063	2.42	0.032
Prunus avium	34	0.072	39	0.057	5.22	0.069
Salix alba	33	0.070	36	0.053	11.77	0.155
Larix kaempferi	32	0.067	32	0.047	5.08	0.067
Prunus laurocerasus	31	0.065	44	0.065	3.01	0.040
Salix viminalis	25	0.053	34	0.050	1.81	0.024
Aesculus hippocastanum	23	0.049	52	0.077	10.06	0.132
Salix aurita	18	0.038	27 20	0.040	0.94	0.012
JImus procera	18	0.038		0.029	1.69	0.022
Tsuga heterophylla	18	0.038	18	0.027	3.11	0.041
Betula sp.	17	0.036	20	0.029	1.64	0.022
Betula pendula	15	0.032	17	0.025	2.90	0.038
Populus nigra x P. deltoides	13	0.027	13	0.019	4.26	0.056
Castanea sativa	11	0.023	20	0.029	3.73	0.049
Arbutus unedo Sorbus aria aga	11	0.023	14	0.021	0.85	0.011
Sorbus aria agg.	6	0.013	8	0.012	0.57	0.007
Salix caprea x S. viminalis	6	0.013	7	0.010	0.41	0.005
Tilia cordata x T. platyphyllos	5 5	0.011	8	0.012	3.40	0.045
Quercus cerris Tilia cordata		0.011	7 7	0.010	2.31	0.030
	4	0.008		0.010	21.59	0.284
Pinus contorta	4	0.008	4	0.006	0.22	0.003
Acer campestre	3	0.006	3	0.004	0.25	0.003
Prunus padus Salix poptandra	3	0.006	3	0.004	0.10	0.001
Salix pentandra	3	0.006	3	0.004	0.22	0.003
Salix purpurea	3	0.006	3	0.004	0.09	0.001
Populus tremula	2	0.004	2	0.003	0.82	0.011
Quercus rubra	2	0.004	2	0.003	1.09	0.014
Abies procera	1	0.002	1	0.001	0.95	0.013
Acer platanoides	1	0.002	1	0.001	0.28	0.004
Populus nigra ssp. betulifolia	1	0.002	1	0.001	0.07	0.001
<i>Quercus llex</i> Other species	1 18	0.002 0.038	1 20	0.001 0.029	0.58 3.21	0.008 0.042

Table 3.4 Frequency and basal area of adult trees and stems by species
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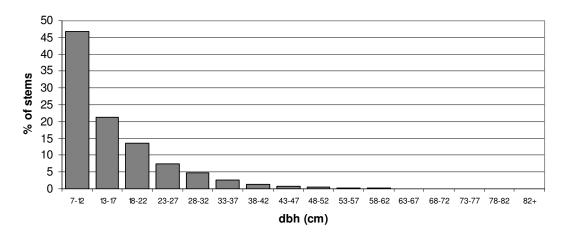
Figure 3.11 Tree size frequency curves for common tree species. Note that vertical scale differs between graphs



20 18 16 14 % of stems 12 10 8 6 4 2 0 7-12 13-17 18-22 23-27 28-32 33-37 38-42 43-47 48-52 53-57 58-62 63-67 68-72 73-77 78-82 82+ dbh (cm)

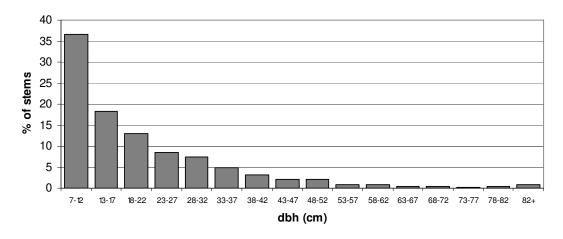
(b) Quercus petraea



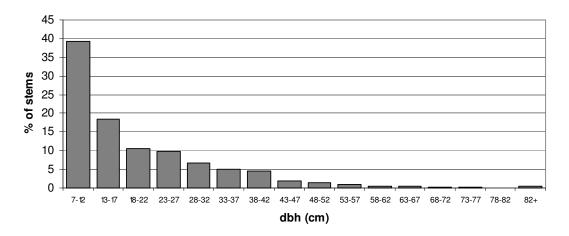


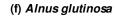
(a) Quercus robur

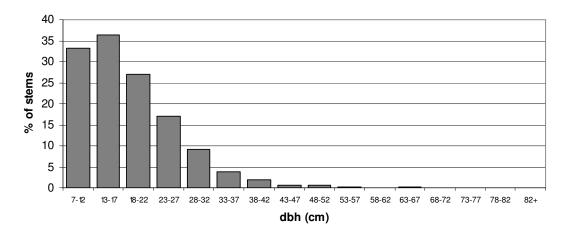
(d) Fagus sylvatica

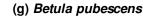




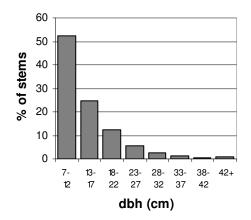


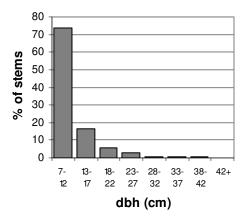


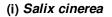




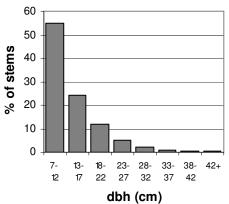
(h) Sorbus aucuparia





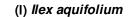






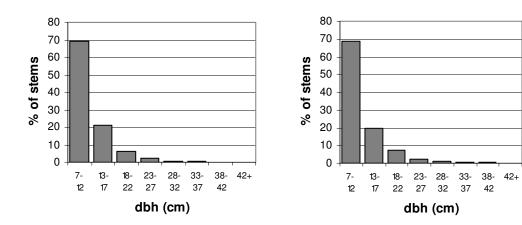


48



dbh (cm)

38- 42+



% of stems 60

100

80

40

20

0

7-13-18-23-28-33-

3.10 Merchantable timber

Data on merchantable timber were collected for stems recorded in the main survey with a dbh \geq 40 cm. Of the 67,893 adult stems measured during the main survey, 38 taxa contributed stems of merchantable size, but this resource comprised only 2,593 stems (3.8%) in total (see Table 3.5). Native oaks (*Quercus robur, Q. petraea* and *Q. petraea* x *Q. robur*) contributed just over 60% of these, with 20-22% of stems of these taxa being of merchantable size. Although only 2.9% of *Fraxinus excelsior* stems were of sufficient dbh, the high abundance of this species meant that it contributed 11.9% of merchantable stems. The most abundant native species were *Betula pubescens* and *Corylus avellana*, contributing 19.5% and 16.8% respectively of the total stem count. However, only 1.0% of *B. pubescens* stems and 0.03% of *C. avellana* stems were of merchantable dbh, contributing only 5.3% and 0.1% respectively to the tally of merchantable stems.

Non-native trees comprised just 6% of all stems measured, but a higher percentage (14.4%) had a merchantable dbh. The most frequent non-native species were the broadleaved *Fagus sylvatica* and *Acer pseudoplatanus*, which comprised 6.1% and 4.6% respectively of the total merchantable timber. Together, these species outnumbered all other non-native taxa put together, both in terms of the total number of stems measured and the number of merchantable stems.

	No. of recorded stems	No. of stems dbh ≥40cm	% of each species with dbh ≥40cm	% of all stems dbh ≥40cm
Quercus petraea	4,104	868	21.2	33.5
Quercus robur	2,835	579	20.4	22.3
Fraxinus excelsior	10,748	308	2.9	11.9
Fagus sylvatica	1,578	158	10.0	6.1
Betula pubescens	13,220	138	1.0	5.3
Acer pseudoplatanus	1,352	119	8.8	4.6
Quercus petraea x Q. robur	515	115	22.3	4.4
Alnus glutinosa	4,964	93	1.9	3.6
Salix cinerea	6,488	37	0.6	1.4
Pinus sylvestris	184	34	18.5	1.3
Other	21,912	144	0.8	5.6
Total	67,893	2,593	3.8	100

Table 3.5. Frequency of stems of merchantable size by species.

Of the 2,593 stems of merchantable size, log length was recorded for only 1,552 stems (59.9%) as shown in Table 3.6. This low overall percentage of valid log length was primarily due to the high frequency of stem defects, with 64.1% of stems of merchantable size having one defect and 21.7% having two or more defects. In some cases, these defects will have

reduced or invalidated merchantable log length (e.g. fork), whilst in others they will have reduced the quality of the timber (e.g. heavy ivy). For example, over 92% of merchantable stems of *B. pubescens* had one or more defects, resulting in log length being recorded for only 33.3% of birch stems of merchantable size. In contrast, while 83.5% of stems of *Q. robur* x *Q. petraea* possessed one or more defects, there was still a valid log length for 88.7% of the oak stems of merchantable size. Overall, of those species having over 50 merchantable stems, *Alnus glutinosa* and *B. pubescens* were particularly severely affected by stem defects (over 90% of all stems for each species), with *Fraxinus excelsior* next at 89% of stems affected. In general these species had shorter mean log lengths as a result (4.6 m, 5.3 m and 5.1 m respectively). *Pinus sylvestris* was the least severely affected by defects and as a result had a longer mean log length (11.6 m).

The most frequently recorded faults were forks (affected 29.0% of trees of merchantable size), heavy branches (21.5%), kinks/bends (16.9%) and heavy ivy (15.6%).

	No. of merch. stems with valid log length	% of merch. stems with valid log length	Mean valid log length	% of stems dbh ≥40cm with 1 defect	% of stems dbh ≥40cm with ≥2 defects
Quercus petraea	553	21.3	5.6	68.5	19.4
Quercus robur	407	15.7	7.0	54.6	28.2
Fraxinus excelsior	148	5.7	5.1	68.8	20.1
Fagus sylvatica	110	4.2	6.2	69.0	13.9
Quercus petraea x Q. robur Acer	102	3.9	7.6	58.3	25.2
pseudoplatanus	69	2.7	6.1	69.7	16.0
Betula pubescens	46	1.8	4.6	70.3	21.7
Pinus sylvestris	30	1.2	11.6	47.1	17.6
Alnus glutinosa	28	1.1	5.3	72.0	25.8
Salix cinerea	1	0.06	1	81.1	18.9
Other	58	3.7	0.3	54.7	21.5
Total	1,552	100	6.3	64.1	21.7

Table 3.6 Frequency of viable log length and stem defects by species.

3.11 Species richness

Site species lists were available for all 1,320 sites surveyed. As bryophyte surveying was concentrated primarily within the relevés, only data for vascular plant data are referred to here. Vascular plant richness tends to increase with site area, with the relationship most strongly fitting a logarithmic model (Fig. 3.12). This fits with the trend of diminishing returns generally found in biological sampling.

Vascular species richness was also found to be higher for sites which had some woodland present on the 1st edition Ordnance Survey maps of the 1840s compared to those which had no woodland present (Fig. 3.13).

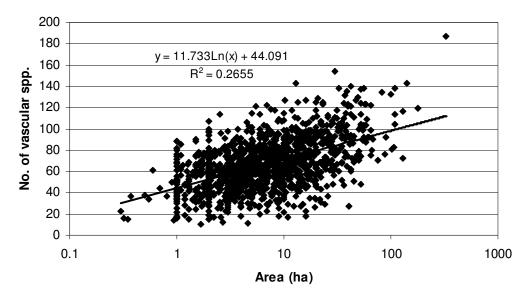
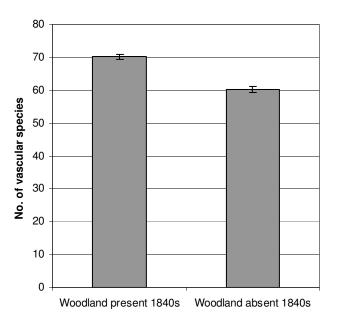


Figure 3.12 Vascular plant richness in relation to woodland area with overlay of logarithmic model.

Figure 3.13 Mean vascular species richness of sites with and without woodland in the 1840s. Vertical bars indicate standard errors.



There was a difference in the relationship between vascular species richness and area, depending on whether woodland was present in the 1840s or not. Pearson's correlation test was used to investigate the relationship between site area and vascular species diversity separately for long-established (present in 1840s) and new (absent in 1840s) woodlands. A

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stronger area-species diversity relationship was found for long-established woods (Fig. 3.14; r=0.53, n=794, p<0.01), compared to newer woods (Fig. 3.15; r=0.39, n=524, p<0.01). According to the interpretation guidelines of Cohen (1988) when interpreting correlations of this nature, an r-value of 0.3 to 0.49 is indicative of a medium correlation, while an r-value of 0.5 to 1 indicates a large correlation. Therefore, there is a medium correlation between area and species diversity for newer woods, while older woods have a large correlation between these variables. Younger woods are likely to be in a state of flux due to continuing succession, especially where disturbance is still an influence, and still have not attained their full potential complement of species. Older sites are more likely to have reached equilibrium with potential plant colonisers, and are thus effectively saturated.

Figure 3.14 Vascular species richness by area for long-established (1840s) woodland

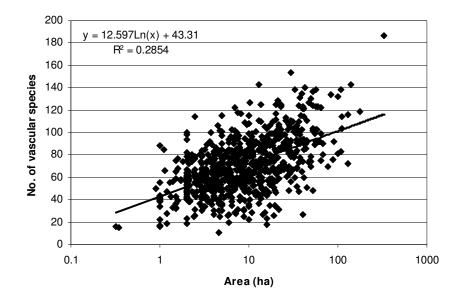
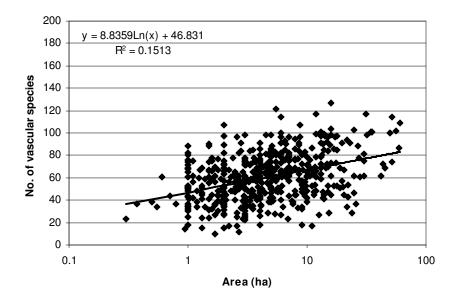


Figure 3.15 Vascular species richness by area for new (non-1840s) woodlands



3.12 Natural regeneration

Data on regenerating stems (dbh <7 cm) were collected from each 10 m x 10 m relevé recorded within the main survey. Data for the fifteen most abundantly regenerating species (more than 1,000 regenerating stems, including basal regeneration) are given in Table 3.7. Data presented are based mainly on free regeneration as this is a measure of seedling recruitment, indicating the regeneration potential of the species. To account for the varying abundance of adult stems among the different species, and therefore the potential for natural regeneration to be occurring, ratios of regenerating stems : adult stems were calculated for each species after adjusting for density differences in measurements. Note that this is not a measure of the number of regenerating stems per adult *tree*, as some trees had more than one adult stem. The distribution of the different size classes for each species (free regeneration only) is also indicated in Table 3.7.

	Total no. stems		Free regen.			ely-regei % of free	0	
	incl.		per adult		25cm-			
	basal	% free*	stem	<25cm	1m	1-2m	2-4m	>4m
Fraxinus excelsior	265,122	99.3	79.2	95	2	1	1	1
Corylus avellana	25,838	42.9	7.3	4	13	17	30	36
llex aquifolium	22,210	91.2	18.9	42	34	14	7	3
Acer pseudoplatanus	19,313	98.8	45.9	92	5	2	1	1
Betula pubescens	15,437	79.6	3.7	63	5	4	9	20
Quercus petraea	8,224	90.3	6.4	94	3	1	1	1
Crataegus monogyna	5,117	90.1	5.7	19	22	22	24	14
Alnus glutinosa	4,737	24.5	3.1	9	21	27	23	21
Sorbus aucuparia	3,267	89.3	9.1	33	21	12	12	21
Prunus spinosa	3,034	95.3	67.7	25	49	17	8	2
Salix cinerea	2,216	67.2	1.1	1	5	11	35	49
Euonymus europaeus	1,742	97.9	107.6	26	45	15	11	3
Quercus robur	1,717	82.4	1.9	81	8	2	4	4
Viburnum opulus	1,689	100	N/A**	37	41	15	4	3
Ulmus glabra	1,054	74.6	10.8	11	27	26	20	16

Table 3.7 Most frequently regenerating tree species.

* % free indicates the percentage of total regeneration classed as free regeneration.

** No adult stems were recorded for Viburnum opulus so a ratio could not be calculated.

Regeneration of *Fraxinus excelsior* was by far the most abundant, accounting for 69% of all regeneration, and nearly three-quarters of all free regeneration, recorded. The number of adult stems of the species measured in relevés was also the third highest overall, so these figures reflect the prominent place this species has in Irish woodlands. The vast majority of this regeneration (95%) consisted of freely regenerating seedlings <25 cm in height which often carpet the woodland floor (in one instance, an estimated 17,500 *F. excelsior* seedlings were present in one 100 m² relevé). However, high mortality means that only a small proportion of these seedlings persist through to the larger size classes. The number of freely

regenerating stems per adult stem recorded for *F. excelsior* was 79, by far the highest of the top regenerating species. However, most of these are concentrated in the smallest size class, and only a few, based on the observations of this study, are likely to survive to adulthood.

Corylus avellana and *Alnus glutinosa* differ from the other species in that the majority of regenerating stems recorded were basal stems attached to adult trees rather than free regeneration (57.1% and 75.5% respectively); *C. avellana* in fact accounted for more than half of all basal regeneration recorded. Both of these species were frequently encountered as multi-stemmed individuals, with very often more than 10 adult stems measured for a single tree. The occurrence of seedlings for both of these species was low, with most free regeneration found in the larger size classes: it was highest for *C. avellana* in the >4 m class, and for *A. glutinosa* in the 1-2 m class.

Basal regeneration was also an important feature for both *Salix cinerea* and *Ulmus glabra*. Seedlings of *S. cinerea* were rarely recorded, almost half (49%) of the free regeneration for the species being in the largest size class, >4 m. *U. glabra*, in contrast, showed a relatively even spread among all five size classes, with the highest proportion of seedlings recorded in the 25 cm – 1m range. Notably, *U. glabra* had a free regenerating stem : adult stem ratio of 11, partly a measure of its seed output and partly indicating perhaps that this species recruits seedlings to adulthood more rapidly (i.e. produces seeds younger) than more slow-growing species. It should also be noted that this species characteristically suckers and some of these suckers may have been difficult to distinguish from true free regeneration, resulting in a slight over-recording of free regeneration for the species.

llex aquifolium accounted for just under 6% of all regeneration; most of this was free generation (91.2%), although given the tendency for this species to layer far from the parent tree, this may have been slightly over-recorded. Free regeneration of *I. aquifolium* tended to be concentrated in the smaller size classes, although 10% of its regeneration was greater than 2 m, indicating that a good proportion is surviving to sapling/young adult stage. In terms of free regeneration per adult stem, this species had a relatively high figure of 19, an indication that follow-through from seed production to germination and growth has a good success rate.

The non-native species with the highest rate of free regeneration was *Acer pseudoplatanus*, the only non-native species to occur in the top 15, and occupying fourth place in the list: over 5% of all regeneration was due to this species. The vast majority of this was again free (99%), with most of it concentrated in the smallest size class of <25 cm (92%). This is a similar pattern to that described above for *F. excelsior*, with survival through to larger saplings very low overall (only 2% of its regeneration was >2 m). This species had a high regeneration ratio

with 46 free regenerating stems per adult stem measured; as for *F. excelsior*, however, mortality rates are high, and most of these will not survive to become a reproducing adult.

Betula pubescens accounted for quite a small proportion of the total regeneration recorded (4%), with almost 80% of this being free. *B. pubescens* is regarded as a pioneer species, due to its tendency to colonise open areas (e.g. clearfell, cutover bog) rapidly by the production of large numbers of seeds. As for *F. excelsior*, the mortality rate among small seedlings is high: most (63%) free regeneration for *B. pubescens* was in the smallest size class of <25 cm. However, 20% was also in the >4 m class, indicating that a good proportion of its free regeneration does in fact make it through to sapling stage. Relating free regeneration to the number of adult stems recorded, just under 4 freely regenerating stems of *B. pubescens* were recorded for each of the adult stems measured.

Regeneration for oak species was relatively poor, with *Quercus petraea* and *Q. robur* accounting for 2.1% and 0.4% of all regeneration recorded respectively. Although high numbers of seedlings were occasionally recorded (e.g. 6,000 *Q. petraea* seedlings estimated in one 100 m² plot), survival through to the larger size classes was very low for both of these species. *Q. petraea* had a higher proportion than *Q. robur* of seedlings in the smallest size class (94%, compared to 81% for *Q. robur*), the difference possibly due to a small number of plots which had high numbers of *Q. petraea* seedlings. When relating the free regeneration to the number of adult stems recorded, a value of just over 6 freely regenerating stems per adult stem for *Q. robur*, more likely to belong to the smallest size class. Irish oaks are light-demanding species which regenerate best outside woods or in large canopy gaps.

Crataegus monogyna was notable in that the distribution of free regeneration among the five size classes was among the most even of the analysed species, with a slightly lower proportion found in the tallest size class of >4 m (14% of free stems). Over 90% of the regeneration recorded for this species was free, with almost 6 free regenerating stems recorded for every mature stem measured.

Sorbus aucuparia also displayed a good proportion of free regeneration in the larger size classes, although 33% of all free *S. aucuparia* regeneration was <25 cm tall. However, 33% of all *S. aucuparia* regeneration was also over 2 m, an indication of the recruitment success of this species. The number of free regenerating stems per adult stem measured was 9: thus, for every adult stem recorded, there are on average 3 seedlings <25 cm, 3 freely regenerating stems of 25 cm – 2 m, and 3 saplings of >2 m.

Euonymus europaeus and *Prunus spinosa* have some of the highest ratios of free regeneration to adult stems (highest and third highest respectively). This is due to these small stature species being capable of fertile seed production before they attain dbh sizes >7 cm. In

addition, *Prunus spinosa* regularly produces new stems through suckering, and some overrecording of free regeneration may have occurred. Free regeneration of both species was in the smaller size classes (both were highest in the 25 cm – 1 m size class). However, 10% of *P. spinosa* and 14% of *E. europaeus* free regeneration was over 2 m.

No mature *Viburnum opulus* trees were measured during the survey; hence a value could not be calculated for the ratio of free regenerating stems to mature stems. Any regeneration observed is likely to have been as a result of seeds from parent trees some distance away from the recorded seedlings, probably carried in by birds and/or by river action. In common with the other small-statured trees discussed above, *E. europaeus* and *P. spinosa*, the highest proportion of free regeneration for this species occurred in the 25 cm – 1 m size class, with 7% of free regeneration for the species over 2 m.

A notable absentee from this table is *Fagus sylvatica*, frequently recorded as a canopy tree but recorded in relevés as immature saplings and seedlings much less frequently. This would seem to indicate that regeneration of *F. sylvatica* in native Irish woods is less of a problem than, for example, *Acer pseudoplatanus*. High levels of *F. sylvatica* regeneration were noted in beech woods, but these were not surveyed as they were deemed non-native stands.

3.13 Dead wood

The abundance of dead wood was recorded for the 1,217 sites in the main survey. Dead wood increases the range of substrates available to lichens and bryophytes and provides important niches and resources for other taxa, most notably invertebrates. The accumulation of a range of dead wood types takes time and is indicative of older woodlands. The removal of large stature dead wood from intensively managed sites can reduce their conservation status. The recorded abundance of dead wood in six categories is given in Fig. 3.16.

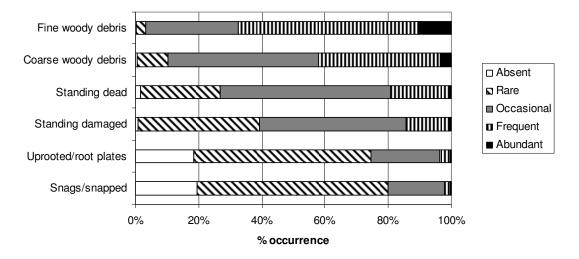


Figure 3.16 The abundance of dead wood in six different categories

Fine woody debris and coarse woody debris were the most abundant types of dead wood, being frequent or occasional at the vast majority of sites. Standing dead and standing damaged were predominantly recorded as frequent or occasional but were often recorded as rare. Uprooted trees, root plates, snags and snapped trees were largely rare or absent. Such a pattern is unsurprising given the nature of the different categories: fine woody debris may be generated by most trees in most years, whereas uprooted trees are a rarer chance occurrence.

3.14 Lichens

Ten lichen species from the checklist were recorded from more than five percent of relevés (Table 3.8). *Lepraria incana* agg. and *Graphis scripta / G. elegans* were by far the most frequently recorded species, being recorded from approximately half of all relevés. Lichens deemed to be of conservation note (*Lobaria* spp., *Sticta* spp., *Dimerella* lutea and *Peltigera horizontalis*) were all rare, being each recorded from less than 2% of relevés. Due to identification difficulties, it is likely that many lichen species were under-recorded.

Species	% of relevés	Most frequent host
Lepraria incana agg.	53.1	Betula pubescens
Graphis scripta / G. elegans	47.9	Fraxinus excelsior
Parmelia perlata	22.8	Betula pubescens
Parmelia caperata	13.2	Salix cinerea
Pyrenula macrospora	12.0	Fraxinus excelsior
Thelotrema lepadinum	10.0	llex aquifolium
Usnea subfloridana	8.5	Betula pubescens
Cladonia coniocraea	7.7	Betula pubescens
Ramalina farinacea	6.7	Salix cinerea
Lecanora chlarotera	5.3	Fraxinus excelsior

3.15 Notable species

Of the 30 vascular species used as part of the conservation assessment, 25 species were recorded during the main survey or the pilot studies (Table 3.9). The most frequently recorded notable species were *Anemone nemorosa* and *Galium odoratum*, both of which are indicative of long-established woodland rather than being rare. The relatively high frequency of *Galium odoratum* reflects the abundance of the base-rich woodland soils on which it occurs. Other notable species recorded many times were *Carex strigosa*, *Melica uniflora*, *Rhamnus cathartica* and *Prunus padus*. The following notable species, which are currently listed on the Flora Protection Order, 1999, were all recorded, but each at fewer than 4 sites: *Cephalanthera longifolia*, *Hypericum hirsutum*, *Stachys officinalis*, *Trichomanes speciosum*, *Viola hirta*.

The five notable species not found were *Carex depauperata*, *Gymnocarpium dryopteris*, *Hordelymus europaeus*, *Monotropa hypopitys* and *Pyrola media*. These species are all rare or

unrecorded in the Republic of Ireland, although some are present or more frequent in Northern Ireland. *Carex depauperata* is recorded in Ireland from only one limestone woodland in Cork. *Gymnocarpium dryopteris*, a species of shaded, rocky areas in the mountains, has not been recorded in the Republic of Ireland since the 19th century and in Northern Ireland not since 1986. *Hordelymus europaeus* has never been recorded in the Republic of Ireland and has not been seen in Northern Ireland since 1949, when it occurred on a shady river bank. *Monotropa hypopitys* has recently been recorded from at least three 10 km x 10 km squares in the Republic of Ireland. The lack of records from this project for this species may be due to its preference for pine and beech woods, habitats which would not have been surveyed. *Pyrola media*, a plant of heaths and woodland, has been seen at only two sites in the Republic since 1970. Reference was made in this section to Curtis & McGough (1988) and Preston *et al.* (2002).

Species	Freq.	Species	Freq.
Anemone nemorosa	231	Milium effusum	16
Arbutus unedo	6	Monotropa hypopitys	0
Bromus racemosus	8	Neottia nidus-avis	14
Campanula trachelium	5	Orobanche hederae	17
Cardamine amara	2	Phegopteris connectilis	4
Carex depauperata	0	Prunus padus	37
Carex strigosa	41	Pyrola media	0
Cephalanthera longifolia	4	Pyrola minor	1
Frangula alnus	15	Pyrola rotundifolium	1
Galium odoratum	123	Rhamnus cathartica	69
Gymnocarpium dryopteris	0	Sorbus devoniensis	3
Hordelymus europaeus	0	Sorbus hibernica	17
Hypericum hirsutum	3	Stachys officinalis	1
Lamiastrum galeobdolon ssp. montanum	3	Trichomanes speciosum	3
Melica uniflora	73	Viola hirta	1

 Table 3.9 Frequency of records for notable vascular plant species from 1,320 sites.

The identification of the moss *Calyptrochaeta apiculata* from near Fota Wildlife Park, Co. Cork constitutes a new national record.

3.16 Species frequency

Site species lists from all 1,320 sites were examined to determine the most commonly recorded species. In total 1083 plant taxa were recorded. The frequency of all these taxa is presented in Appendix 3, whilst Table 3.10 shows those occurring at more than 50% of sites. The most frequent tree species, and third most frequent species overall, was *Crataegus monogyna*, at least one individual of which was found in 92.3% of all sites surveyed. This is followed by *Fraxinus excelsior* (ranked fourth most frequent overall), recorded at 90.2% of all sites. In descending rank order, the next most frequent tree species are: *Ilex aquifolium* (85.4% of sites), *Salix cinerea* (78.2%), *Betula pubescens* (72.4%), *Acer pseudoplatanus* (72.1%), *Corylus avellana* (70.2%), *Fagus sylvatica* (68.6%), *Prunus spinosa* (61.1%), *Sorbus aucuparia* (55.6%), *Quercus robur* (52.3%) and *Alnus glutinosa* (51.1%).

Three low woody species were regularly recorded during the survey; two of these were the most frequently recorded species overall. These were *Rubus fruticosus* (found in 98.0% of all woodlands surveyed) and *Hedera helix* (96.6%). Together with *Lonicera periclymenum* (84.5% of sites, and eighth most frequent overall), these were the only low woody species to be found in over half of the sites; other common low woody species, such as *Rosa* spp., *Vaccinium myrtillus* and *Rhododendron ponticum*, were more prevalent in specific woodland types.

In total, fifteen broadleaved herb species were found to occur in more than half of the sites. It is probably no coincidence that most of these are associated with more species-rich woodlands such as oak-ash-hazel woodland, rather than, for example, with acid oak woodlands, which are typically herb-poor. The most frequent herb species was *Geranium robertianum* (83.2% of sites and ninth most frequent species overall). Thus this is a broad-tolerance species, found in a range of moisture regimes and soil types but generally absent from more acidic sites. *G. robertianum* is followed by *Ranunculus repens, Filipendula ulmaria, Geum urbanum* and *Urtica dioica*, all of which occur in more than 70% of sites. Where sites were surveyed later in the season there is likely to have been some under-recording of vernal herbs, such as *Anemone nemorosa* and *Hyacinthoides non-scripta*.

Graminoids (grasses, sedges and rushes) appear to be less broad-spectrum than other groups: the most frequent graminoid, *Juncus effusus*, was ranked twenty-fourth overall and occurred in just over 65% of all sites (the most frequent species of each other plant group was found in over 80% of sites). In all, only six graminoid species occurred in over 50% of sites: one rush (*J. effusus*), three grasses (*Agrostis stolonifera*, *Holcus lanatus*, *Brachypodium sylvaticum*) and two sedges (*Carex remota* and *C. sylvatica*).

In total, seven fern species occurred in over half of the sites surveyed, with *Dryopteris dilatata* by far the most frequent, found in 89.8% of sites, and ranking as the fifth most frequentlyoccurring species overall. *D. affinis* was also frequent (69.6% of sites), followed by *Pteridium aquilinum* (65.0%). The epiphyte *Polypodium vulgare* was also a notable component of the woods surveyed (60.9% of sites), its presence in this list no doubt reflecting its common epiphytic association with mature *Quercus* spp. trees.

No horsetails (*Equisetum* spp.) were recorded in more than 50% of sites, the most frequent species, *E. arvense*, occurring in just 17.0% of sites.

It is perhaps notable that no liverworts occurred in over 50% of sites. This may be allied to the fact that these are small species, sometimes easy to overlook. The most frequent bryophytes were all mosses, with *Thuidium tamariscinum* the most frequently recorded bryophyte species and sixth most frequent species overall (86.5% of sites), followed by *Kindbergia praelonga*

(83.0%; tenth most frequent species overall). These two mosses are both conspicuous and are found in a broad range of habitats (Smith 2004). *Eurhynchium striatum* (71.1% of sites), *Hypnum cupressiforme* (68.1%) and *Isothecium myosuroides* (63.0%) were also prominent bryophyte species in Irish native woodlands.

		1 1	Overall ranking
Trees	Crataegus monogyna	92.3	3
	Fraxinus excelsior	90.2	4
	llex aquifolium	85.4	7
	Salix cinerea	78.2	11
	Betula pubescens	72.4	13
	Acer pseudoplatanus	72.1	=14
	Corylus avellana	70.2	19
	Fagus sylvatica	68.6	21
	Prunus spinosa	61.1	=28
	Sorbus aucuparia	55.6	38
	Quercus robur	52.3	=44
	Alnus glutinosa	51.1	=49
Low woody plants	Rubus fruticosus	98.0	<u>=+5</u> 1
			2
	Hedera helix	96.6	
Due e elle euro d'horis	Lonicera periclymenum	84.5	8
Broadleaved herbs	Geranium robertianum	83.2	9
	Ranunculus repens	73.6	12
	Filipendula ulmaria	72.1	=14
	Geum urbanum	71.6	16
	Urtica dioica	71.5	17
	Circaea lutetiana	65.5	23
	Viola	64.4	24
	Oxalis acetosella	59.6	32
	Primula vulgaris	54.0	40
	Angelica sylvestris	53.9	41
	Hyacinthoides non-scripta	52.3	=44
	Rumex sanguineus	51.8	46
	Veronica chamaedrys	51.5	47
	Vicia sepium	51.4	48
	Taraxacum agg.	51.1	=49
	Chrysosplenium oppositfolium	50.1	=52
Graminoids	Juncus effusus	65.2	25
	Agrostis stolonifera	61.1	=28
	Holcus lanatus	61.1	=28
	_		
	Carex remota	57.3	35
	Carex sylvatica	56.0	37
	Brachypodium sylvaticum	55.5	39
Ferns	Dryopteris dilatata	89.8	5
	Dryopteris affinis	69.6	20
	Pteridium aquilinum	65.0	26
	Polypodium vulgare	60.9	31
	Athyrium filix-femina	59.5	33
	Blechnum spicant	56.1	36
	Phyllitis scolopendrium	53.8	42
Bryophytes	Thuidium tamariscinum	86.5	6
, , , , , , , , , , , , , , , , , , ,	Kindbergia praelonga	83.0	10
	Eurhynchium striatum	71.1	18
	Hypnum cupressiforme	68.1	22
	Isothecium myosuroides	63.0	27
	Thamnobryum alopecurum	58.0	34
	Rhytidiadelphus triquetrus	52.5	43
	Plagiomnium undulatum	50.9	51

 Table 3.10 Species occurring in more than 50% of sites surveyed

3.17 Vegetation analysis

Outlier analysis was used to examine the 1,667 relevés. The mean distance of each sample from each other sample was calculated using Quantitative Sørensen (Bray-Curtis) as the distance measure. Samples with a mean distance of more than three standard deviations above the grand mean were regarded as outliers. This applied to five samples. All of these relevés represented rare river island or riverbank vegetation. As the methodology includes measures to reduce outlier influence and such vegetation can correspond to Annex I habitat 91E0, these relevés were retained.

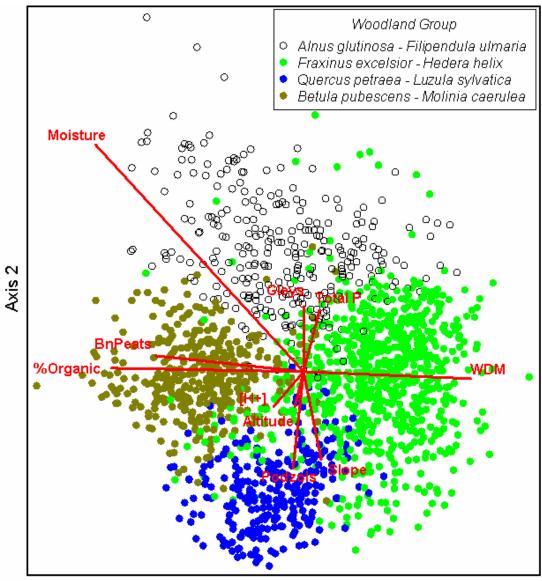
The results of the cluster analysis were examined manually and using expert judgement it was decided to cut the dendrogram at the four cluster level. The four *woodland groups* resulting from this represented combinations of two strong environmental gradients: acidic-basic and wet-dry. Groups were named using the best indicators species as identified by ISA; the best tree indicator species and the best non-tree vascular indicator species were used. For each of these four subsets of data, cluster analysis was rerun and the resulting cluster dendrograms were again examined manually to identify the level of clustering with the best ecological integrity. Hence each woodland group was divided into a number of *vegetation types*, again named after the best indicator species. Nomenclature inevitably differs from that used in interim reports (Perrin *et al.* 2006b, c) to describe broadly similar groupings. An overview of the classification is shown in Table 3.11.

Grouping	No. of relevés
Quercus petraea – Luzula sylvatica woodland group	260
Rubus fruticosus – Corylus avellana vegetation type	87
Vaccinium myrtillus – Ilex aquifolium vegetation type	127
Luzula sylvatica – Dryopteris dilatata vegetation type	46
Fraxinus excelsior – Hedera helix woodland group	740
Geum urbanum – Veronica montana vegetation type	189
Acer pseudoplatanus – Crataegus monogyna vegetation type	85
Quercus robur – Rubus fruticosus vegetation type	151
Ilex aquifolium – Sorbus aucuparia vegetation type	25
Corylus avellana – Oxalis acetosella vegetation type	229
Fagus sylvatica – Prunus laurocerasus vegetation type	47
Taxus baccata – Carex flacca vegetation type	5
Salix triandra – Urtica dioica vegetation type	9
Alnus glutinosa – Filipendula ulmaria woodland group	296
Fraxinus excelsior – Carex remota vegetation type	99
Alnus glutinosa – Rubus fruticosus vegetation type	72
Salix cinerea – Equisetum fluviatile vegetation type	89
Crataegus monogyna – Geranium robertianum vegetation type	14
Betula pubescens – Mentha aquatica vegetation type	22
Betula pubescens – Molinia caerulea woodland group	371
Rubus fruticosus – Dryopteris dilatata vegetation type	148
Vaccinium myrtillus – Luzula sylvatica vegetation type	54
Salix cinerea – Galium palustre vegetation type	38
Molinia caerulea - Potentilla erecta vegetation type	33
Hedera helix – Fraxinus excelsior vegetation type	33
Holcus lanatus – Agrostis capillaris vegetation type	65

Table 3.11 Overview of the native woodland classification scheme

The NMS ordination found a 2-dimensional solution (Fig. 3.17). Stress on this solution was 24.8, which is quite high according to the guidelines of McCune & Grace (2002), but given the large sample size, a fair degree of reliance can be put on interpretation of the plot. The two axes cumulatively represented over 61% of variance in the distance. Relevés within each of the four woodland groups identified by cluster analysis grouped together in the ordination, providing validation of the cluster solution. Axis 1 strongly represents an organic-mineral soil content gradient. Axis 2 represents gradients in soil fertility and acidity. A strong moisture gradient correlates strongly with both axes.

Figure 3.17 NMS ordination plot of 1,667 woodland relevés. Colours differentiate woodland groups as shown in legend. Direction of red lines from origin shows correlation of environmental variables with axes. Length indicates strength of correlation. WDM = Well-drained mineral soils, BnPeats = Basin Peats, [H+] = Hydrogen ion concentration (linear measure of pH), Moisture = mean Ellenberg score. Axis 1 r² = 0.276, Axis 2 r² = 0.335



Axis 1

The MRPP test found statistically significant differences in the environmental matrix at the four cluster level (A = 0.15, p < 0.001). McCune & Grace (2002) warn that statistically significant results (small p values) can be obtained even when the effect size (A) is small, if, as in this case, sample size is large. However, effect size or chance-corrected within-group agreement is relatively high; McCune & Grace (2002) state A is commonly below 0.1 for community ecology. Thus the MRPP provides environmental support for cutting the cluster dendrogram at the four cluster level.

Full details of these woodland groups and vegetation types including synoptic floristic tables, summary environmental variables, stand characteristics, diversity and distribution maps are presented in Volume II.

3.18 Conservation assessment

The statistical distribution of conservation scores (Fig. 3.18) showed a normal distribution, with a mean conservation score of 51.9%. The distribution classes shown can be regarded as corresponding to woodland quality as follows: Very Poor (conservation score of between 0 and 20%), Poor (20-40%), Moderate (40-60%), Very Good (60-80%) and Excellent (80-100%).

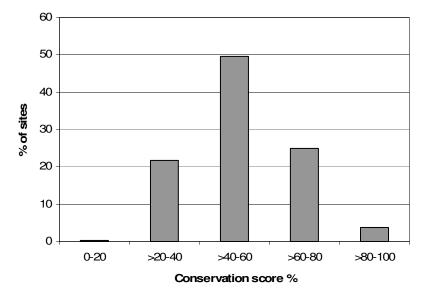


Figure 3.18 Distribution of conservation scores among the 1,312 sites assessed.

The top 27 sites ranked by conservation assessment score are presented in Table 3.12. The full conservation assessment for each site is presented in Appendix 4, with the top sites by county presented in Appendix 5. The two sites with the highest score overall were Garryland Wood Nature Reserve, a large complex of woodland and turlough near Gort, Galway, and

Curraghchase Forest Park, part of a large Coillte property near Askeaton in Limerick. Both sites achieved maximum points in almost all categories, including plant diversity and presence of notable species. They also scored highly in terms of area and presence of several native woodland types, including Annex I woodland types. All but seven of the sites in this table are located in the west of the country, with seven from Donegal. Of the seven non-western sites, three are in Wicklow, one of the most wooded counties in the country. All of the sites listed have some kind of designation, the majority designated as pNHAs or as both pNHAs and cSACs. Nine of the sites are Statutory Nature Reserves.

Rank	Site no.	Woodland name	County	Designation	Score %
=1	1594	Garryland Wood	Galway	pNHA, cSAC, SPA, SNR	93.9
=1	1986	Curraghchase Forest Park	Limerick	pNHA, cSAC	93.9
=3	1427	Ardnamona Wood	Donegal	pNHA, cSAC, SNR	90.9
=3	1439	Ards Forest Park	Donegal	pNHA, cSAC	90.9
=5	467	St. John's Wood	Roscommon	cSAC, SPA	87.9
=5	777	Glen of the Downs	Wicklow	pNHA, cSAC, SNR	87.9
=5	789	Knocksink	Wicklow	cSAC, SNR	87.9
=5	1275	Kilgarvan Wood	Kerry	pNHA	87.9
=5	1316	Glengarriff Wood	Cork	pNHA, cSAC, SNR	87.9
=5	1422	Ballyarr Wood	Donegal	pNHA, cSAC, SNR	87.9
=5	1597	Gortacarnaun	Galway	cSAC	87.9
=5	1600	Shannawoneen Wood	Galway	pNHA, cSAC	87.9
=5	1601	Derryclare	Galway	pNHA, cSAC, SNR	87.9
=5	1626	Lismore Woods	Waterford	pNHA, cSAC	87.9
15	575	Charleville South	Offaly	pNHA, cSAC	87.5
=16	345	Ballyconnell Demesne	Cavan	pNHA	84.9
=16	746	Baltynanima	Wicklow	pNHA, cSAC	84.9
=16	1317	The Gearagh	Cork	pNHA, cSAC, SPA, SNR	84.9
=16	1428	Lougheask Demesne	Donegal	pNHA, cSAC	84.9
=16	1429	Cottian Wood	Donegal	pNHA	84.9
=16	1430	Salt Pans	Donegal	pNHA, cSAC	84.9
=16	1436	Keeloges	Donegal	pNHA, cSAC	84.9
=16	1491	French Wood	Cork	pNHA	84.9
=16	1500	Dromore Nature Reserve	Clare	pNHA, cSAC, SNR	84.9
=16	1711	Ballyseedy Wood	Kerry	pNHA, cSAC	84.9
=16	1777	Brackloon Woods	Mayo	pNHA, cSAC	84.9
=16	1858	Aughnaglanny Valley	Tipperary	pNHA	84.9

Table 3.12 The top 27 sites ranked by conservation assessment score. pNHA = proposed

 Natural Heritage Area, cSAC = candidate Special Area of Conservation, SNR= Statutory

 Nature Reserve.

In total, 574 (43.8%) of the sites surveyed are under some kind of conservation designation, although it should be noted that not all may be designated for woodlands. For example, 89 sites are within a Special Protection Area (SPA) which has been designated for bird conservation. Of the 1,312 sites that received a conservation score, 375 sites (28.6%) were of Very Good or Excellent quality (scoring over 60%). However, approximately one-third of these, 128 sites in total, do not have any conservation designation. The top scoring 19 undesignated sites are shown in Table 3.13. Of these, three sites – Toon Valley (Site 1314) in

Cork, Cappaghbaun Park (Site 1564) in Clare and Carrig East (Site 1735) in Kerry – all scored over 80%, indicating that these are excellent quality woodlands. As such, their conservation status should be reviewed with a view to their appropriate designation. Of the 19 sites listed, 16 are located in the west of the country, indicating a possible geographic gap in the current designation process.

Overall Ranking	Site No.	Site Name	County	% Conservation Score
=28	1314	Toon Valley	Cork	81.8
=28	1564	Cappaghbaun Park	Clare	81.8
=28	1735	Carrig East	Kerry	81.8
=50	1329	Barrees	Cork	78.8
=50	1433	Glenineeny	Donegal	78.8
=50	1816	Ballyhamlet	Waterford	78.8
=62	154	Ballyboggan Lower	Wexford	75.8
=62	776	Castlehoward	Wicklow	75.8
=62	1356	Knockardsharriv	Cork	75.8
=62	1361	Cloheena Wood	Cork	75.8
=62	1508	Cloggagh Wood	Clare	75.8
=62	1554	Knocknageeha	Clare	75.8
=62	1567	Maryfort	Clare	75.8
=62	1665	Clooncah	Galway	75.8
=62	1674	Ardbear	Galway	75.8
=62	1748	Glanageenty	Kerry	75.8
=62	1759	Ardagh Wood	Kerry	75.8
=62	1769	Raheens	Mayo	75.8
=62	1808	Knockbaun	Mayo	75.8

Woodlands of Poor or Very Poor quality (scoring 40% or less) tended to score poorly across all criteria, but particularly with regard to highly weighted criteria such as vascular plant diversity and area. For example, the three lowest-ranking sites, Dowdstown, Meath (Site 1254), Creggane, Cork (Site 1351) and Woodpole Fox Covert, also in Meath (Site 643), only received a score of 15.2%, with very low scores received for vascular and bryophyte diversity, area (all are less than 2 ha in size) and other conservation features such as notable species, Annex I habitats and presence of unmodified native woodland also lacking. These woods also lacked horizontal diversity, with low scores indicating that they are rather uniform stands.

3.19 Threat assessment

The distribution of threat scores (Fig. 3.19) showed a non-normal distribution, with a median threat score of 17%. The distribution classes can be regarded as corresponding to threat potential as follows: Low (threat score of between 0 and 20%), Moderate (20-40%), High (40-60%) and Severe (60-100%). From this graph, it is apparent that no woodlands scored highly enough to be regarded as being under severe threat. It is also encouraging to note that 213 sites (17.5 % of sites assessed) received a threat score of 0%. However, it should be borne

in mind that, due to the scope of this assessment, based as it is mostly on internal threats, external threats may still pose an unrecorded threat to sites. Also, parts of some sites may have been excluded from survey due to problems such as invasive species infestation. Therefore these threat assessments should be regarded as the minimum threat potential to the woodlands surveyed. Note also that sites at which invasive species are a major problem may simply have failed to meet the requirements for inclusion in the survey.

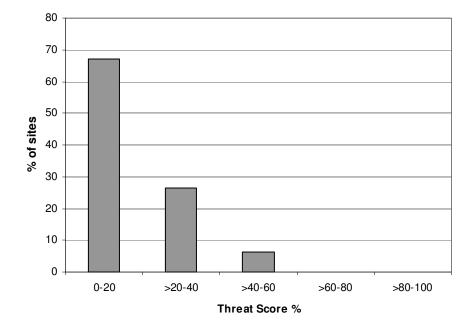


Figure 3.19 Distribution of threat scores among the 1,217 sites that received a score.

The top 21 sites ranked by threat assessment are shown in Table 3.14 together with their conservation ratings. The full threat assessment for each site is presented in Appendix 6. The main threats posed came mainly from invasive species, heavy grazing and damaging activities such as non-native planting, native felling and dumping. The list contains some sites which are highly threatened but are of poor conservation value, such as Lisnevagh Wood, Carlow (Site 184; threat score 58%, conservation score 27%) and Cornamucklagh, Louth (Site 613; threat score 50%, conservation score 30%). Of more concern, however, is that it also contains highly threatened sites of high conservation status. The most threatened site, Borris, Carlow (Site 15; threat score 58%), came highly in the conservation assessment (conservation score 79%) due to its large size, diversity of species and range of vegetation types. However, several damaging operations were recorded and the site has problems with Rhododendron ponticum and non-native canopy species. Indeed, part of the original site was excluded as it was deemed non-native. Stradbally Woods, Waterford (Site 1670; conservation score 79%) and Lough Slevin's Wood, Westmeath (Site 1111; conservation score 76%) are other examples of good quality woodlands under threat, again mainly due to invasive species and damaging activities. Over half of the 21 threatened sites listed in Table 3.14 are under some kind of designation, including one Statutory Nature Reserves, and this trend carries through to the top 200 sites, which includes all sites with a threat score \geq 33%, with 106 (53.0%) being designated. Note that these sites have not necessarily been designated for native woodland habitat.

Table 3.14 The top 21 sites ranked by threat assessment score. pNHA = proposed NaturalHeritage Area, cSAC = candidate Special Area of Conservation, SNR = Statutory NatureReserve.

Rank	Site no.	Woodland Name	County	Designation	% Threat Score	% Conservation Score
=1	15	Borris	Carlow	pNHA, cSAC	58.3	78.8
=1	184	Lisnevagh	Carlow		58.3	27.3
=1	346	Deerpark (Cavan)	Cavan	pNHA	58.3	66.7
=4	30	Woodville	Offaly	pNHA	50.0	48.5
=4	131	Greatwood	Kilkenny		50.0	42.4
=4	613	Cornamucklagh (Louth)	Louth	pNHA, cSAC	50.0	30.3
=4	668	Louth Hall	Louth	pNHA	50.0	42.4
=4	715	Balrath	Meath	pNHA	50.0	57.6
=4	752	Yellow Island	Meath/Louth	pNHA, cSAC	50.0	42.4
=4	921	Brackenstown Wood	Dublin		50.0	30.3
=4	1076	Scragh Bog	Westmeath	cSAC, SNR	50.0	57.6
=4	1111	Lough Slevin's Wood	Westmeath	cSAC	50.0	75.8
=4	1200	Leopardstown Woods	Dublin		50.0	33.3
=4	1210	Kilcleagh	Westmeath		50.0	48.5
=4	1264	Halfcartron	Meath		50.0	39.4
=4	1310	Garrycloyne Wood	Cork		50.0	69.7
=4	1313	Pigeon Wood	Cork		50.0	54.5
=4	1619	Derryvunlam	Galway		50.0	63.6
=4	1670	Stradbally Woods	Waterford	pNHA	50.0	78.8
=4	1791	Farrantooreen	Kerry	pNHA, cSAC	50.0	51.5
=4	1923	Corville	Tipperary		50.0	45.5

Dumping

Threats to Woodlands

Effects of development



Woodland removal

Quarrying of esker woodland

4.1 Critique of existing classifications

The classification of native woodland vegetation presented in Volume II is the first national Irish classification to be based objectively on a comprehensive dataset. Comparing the affinities of this scheme with existing classifications naturally demonstrates many similarities, but also highlights several deficiencies in the schemes currently in use.

The Heritage Council's *Guide to Habitats in Ireland* (Fossitt 2000) has been widely adopted as the standard system for habitat surveying and what is often termed "Phase I" habitat mapping. The system is well suited for broader scale surveying purposes, categorising as it does not only semi-natural habitats but also modified and artificial habitats. It is, however, generally regarded as lacking the requisite detail and resolution for conducting habitat-specific surveys. A result of this was the more detailed modification for woodlands by Cross (2005). As this is essentially based on the phytosociological association and subassociations of Kelly (2005), it shall be dealt with below in the review of the Braun-Blanquet scheme. In critically analysing the woodland section of Fossitt (2000) it should be borne in mind that it is a habitat classification, whereas the scheme presented in Volume II is a vegetation classification which uses environmental data solely to interpret the groupings, not to form them.

WN1 Oak-birch-holly woodland: This is a well-studied and readily identifiable habitat with less variation than some of the other common Fossitt (2000) categories. There is a good list of typical species. There are high degrees of affinity between this category and the *Quercus petraea-Luzula sylvatica* woodland group. The main issue with WN1 woodland is the inclusion of stands dominated by *Betula pubescens*, which is discussed under WN7 woodland below.

WN2 Oak-ash-hazel woodland: This category has its highest degree of affinity with the *Fraxinus excelsior – Hedera helix* woodland group. It is a very broad grouping containing considerable variation. Stands may be dominated by *Fraxinus excelsior* or *Corylus avellana* or *Quercus robur*, or any combination of these species. In addition, these woodlands are the most frequently modified by the presence of non-native broadleaves, primarily *Fagus sylvatica* and *Acer pseudoplatanus*. This variation in canopy dominance is demonstrated by five of the vegetation types in the *Fraxinus excelsior – Hedera helix* woodland group. WN2 woodland does, however, have a good list of indicative field layer species and is typically easy to recognise.

WN3 Yew woodland: In stark contrast to WN2 woodland, this is an exceptionally narrow category detailing a specific stand type which was only found at four sites during the survey. It is easy to identify and these stands formed their own vegetation type in the NSNW

classification, but it should be emphasised that only stands dominated by *Taxus baccata* should be included here, not stands where this species is simply frequent.

WN4 Wet pedunculate oak-ash woodland: This is the least well defined of the Fossitt (2000) categories and may be viewed as intermediate between WN2 and WN6. Being based on the flooding or waterlogging regime rather than a vegetation assemblage, it contains considerable variation. Relevés categorised as WN4 were spread over many vegetation types within the NSNW classification. The list of indicative species is poor and this category was found to be difficult to apply in the field. Although apparently based on the Corylo-Fraxinetum deschampsietosum, there is no mention of *Deschampsia cespitosa*.

WN5 Riparian woodland: In its strictest sense, this is another narrow but well-defined category corresponding highly with the *Salix triandra – Urtica dioica* vegetation type. A good list of indicative species is presented. However, being defined by geography as well as vegetation led to difficulties in interpreting this category. Many riverside woodlands would not match the vegetation of the WN5 category well but are nevertheless technically riparian.

WN6 Wet willow-alder-ash woodland: This is a very broad category containing a wide range of variation. Relevés described as WN6 were mostly allocated to the *Alnus glutinosa* – *Filipendula ulmaria* woodland group. Stands may be dominated by *Fraxinus excelsior* or *Salix cinerea* or *Alnus glutinosa* or any combination of these species. Again there is a good list of indicative species.

WN7 Bog woodland: This category is defined by edaphic conditions, not just by vegetation. Difficulties arise because birch-dominated stands occur in more contexts than just degraded / intact raised bog and peaty hollows. These stands are often successional in nature. Stands with an acidophilous field layer may be referred to the WN1 category, but there is little allowance for placing other stands within this scheme. The *Betula pubescens – Molinia caerulea* woodland group of the NSNW classification has six vegetation types, demonstrating the variety of birch-dominated stands. Another issue is that there is no mention of stands of wetter degraded bog stands with *Betula pubescens* and *Salix cinerea*, which the NSNW classification proves are distinct from other wet woodlands (q.v. *Salix cinerea – Galium palustre* vegetation type).

WD1 (Mixed) broadleaved woodland, WD2 Mixed broadleaved/conifer woodland: The main problem with applying these categories is that, whilst guidance is given for distinguishing between WD1 and WD2 based on conifer abundance, there are no guidelines for distinguishing between WD and WN woodland. At what point does a stand become sufficiently modified to qualify as WD rather than WN? Naturally, as these categories can

contain modified stands of any native type, samples ascribed to them can be decidedly varied in nature.

Overall the main criticism of the woodland classification of Fossitt (2000) is the lack of consistent resolution. Some categories are extremely specific whilst others are very broad, containing in effect many stand types. To make comparisons at a finer scale, one may turn to the phytosociological scheme in the Braun-Blanquet tradition summarised by Kelly (2005):

Blechno-Quercetum association: This association described in Kelly & Moore (1975) is clearly represented in the NSNW classification by the *Quercus petraea – Luzula sylvatica* woodland group. There is good correlation between the coryletosum subassociation and the *Rubus fruticosus – Corylus avellana* vegetation type. Both groupings represent acid oakwoods on slightly more base-rich soils, which may be seen as transitional to ash-hazel stands. However, little support was found for dividing remaining acid oakwood stands solely into the typicum and scapanietosum subassociations. Whilst there is certainly regional variation, with species such as *Saccogyna viticulosa, Plagiochila spinulosa, Scapania gracilis* and *Hymenophyllum* spp. occurring in western oakwood stands, the difference that these species made to the overall vegetation composition was dwarfed by the major differences in dominance of *Vaccinium myrtillus* and *Luzula sylvatica*. Occurrences of these oceanic epiphytes were divided between the *Vaccinium myrtillus – Ilex aquifolium* vegetation type and the *Luzula sylvatica – Dryopteris dilatata* vegetation type. The *Ilex aquifolium – Blechnum spicant* vegetation type of the *Fraxinus excelsior – Hedera helix* group represents a stand variant at a smaller scale, but is not restricted to acid oakwoods.

Corylo-Fraxinetum association: This association described in Kelly & Kirby (1982) is represented in the NSNW classification largely by the Fraxinus excelsior - Hedera helix woodland group. The veronicetosum and typicum subassociations find some analogies in the Geum urbanum - Veronica montana and Acer pseudoplatanus - Crataegus monogyna vegetation types, but oak-dominated variants of these subassociations were sufficiently different to form their own group, the Quercus robur - Rubus fruticosus vegetation type. Cross (2005) did not differentiate between these two subassociations. The neckeretosum subassociation essentially forms a subset of the large Corylus avellana - Oxalis acetosella vegetation types. Regional differences of hazel-dominated stands from the Burren were insufficient to distinguish them from hazel-rich stands elsewhere in the country. The Taxus facies of the neckeretosum correlates with the Taxus baccata - Carex flacca vegetation type. The connection of these stands with the neckeretoseum is not clearly apparent from the data collected, but this probably reflects insufficient sampling of rare hazel-yew intermediate stands. The occurrence of the deschampsietosum subassociation in Ireland was originally queried by Kelly & Kirby (1982) before being confirmed by Kelly & Iremonger (1997). However, this subassociation does not have strong affinity with any one of the NSNW vegetation types. Lacking its own core suite of indicative species, it is transitional in nature,

mainly between the *Geum urbanum – Veronica montana* vegetation type and the *Fraxinus* excelsior – Carex remota vegetation type of the Alnus glutinosa – Filipendula ulmaria group.

Wet woodland associations: Several of these associations described by Kelly & Iremonger (1997) and Cross & Kelly (2005) correlate with the *Alnus glutinosa – Filipendula ulmaria* woodland group. The Osmundo-Salicetum association primarily represents carr woodland of alder and willow. However, the NSNW classification found that there was sufficient difference between wet woodland stands dominated by alder and those dominated by willow to differentiate them into two vegetation types: *Alnus glutinosa – Rubus fruticosus* and *Salix cinerea – Equisetum fluviatile*. The latter vegetation type represents wetter stands. In addition a third stand type not previously described was identified, the *Betula pubescens – Mentha aquatica* vegetation type, which has a mixed canopy of ash, alder, willow and birch.

Little support was found for identifying the *Alnus glutinosa – Carex paniculata* coenon community as a separate category. During the NSNW, *Carex paniculata* occasionally occurred in wet woodland but it was not significantly associated with a particular suite of species or canopy type. Tussocks were seldom found to support species typical of drier niches as reported by Kelly & Iremonger (1997). Other *Carex* species, such as *C. riparia, C. rostrata* and *C. elata*, were at least as likely to dominate the field layer and often dominated larger areas. The occurrences reported by Kelly & Iremonger (1997) which correspond to the *Alnus glutinosa – Carex paniculata* community of the NVC (Rodwell 1991) represent small areas at a small number of sites. In Ireland this coenon community therefore appears to represent a minor stand variant.

The Carici-Fraxinetum and the Salicetum albae both correspond well with vegetation types in the NSNW classification: the *Fraxinus excelsior – Carex remota* vegetation type of the *Alnus glutinosa – Filipendula ulmaria* woodland group and the *Salix triandra – Urtica dioica* vegetation type of the *Fraxinus excelsior – Hedera helix* group respectively.

The remaining communities listed by Kelly (2005) relate largely to the *Betula pubescens* – *Molinia caerulea* group. Dry birch woodlands are all ascribed by Cross & Kelly (2005) to the Vaccinio uliginosi – Betuletum. However, the NSNW classification shows that there is sufficient variation to divide these stands into two categories: the species-poor *Rubus fruticosus* – *Dryopteris dilatata* vegetation type and the *Vaccinium myrtillus* – *Blechnum spicant* vegetation type. As the woodland key of Kelly (2005) shows, these stands are not restricted to dry degraded peats and may be successional to acid oakwoods on more mineral soils. Wet birch woodlands are divided by Cross & Kelly (2005) into the Salicetum auritae association and the *Sphagnum palustre* – *Betula pubescens* coenon. The Salicetum auritae association refers essentially to rare stands of birch on intact bog, whilst the coenon community refers to *Sphagnum*-rich birch stands in other situations. Both groupings are referable to the *Molinia caerulea* – *Potentilla erecta* vegetation type. A third type of wet birch

woodland has not been previously described. This is the frequent *Salix cinerea* – *Galium palustre* vegetation type which largely represents a wetter stand type of degraded bogs. The canopy is dominated by *Betula pubescens* and *Salix cinerea*. The absence of *Alnus glutinosa* distinguishes these stands from the wet woodlands of the *Alnus glutinosa* – *Filipendula ulmaria* woodland group.

In summary, the NSNW classification supports several of the phytosociological groupings listed by Kelly (2005), but others have been subdivided or refuted. In addition, several new stand types have been described.

The use of Tablefit provided a systematic way to make objective comparisons with the NVC communities of Rodwell (1991), although possibly more statistically advanced techniques are available (e.g. SIMIL developed by Lancaster University). The goodness-of-fit scores with NVC communities were overall rather low. This is probably not surprising given that not all British woodland species occur in Ireland, and some which do occur are much rarer (e.g. *Lamiastrum galeobdolon*) or typically occur only where introduced (e.g. *Mercurialis perennis, Acer campestre*). This need not be of great concern, the purpose of the comparison being to see where affinities lay with British woodland, rather than suggesting that Irish woodlands actually belonged to certain NVC communities. Of particular note is the comparative abundance of birch-dominated woodlands in Ireland, resulting primarily from the large areas of degraded peatland. Thus the NSNW classification places much greater relative emphasis than the NVC on describing and differentiating between birch woodlands.

The NSNW sought to survey a large number of woodland sites across the country. For practical considerations, subjectively placed relevés rather than randomly located plots have been used, as the latter approach would require much greater replication at each site. It is important that the limitations of relevé data are acknowledged in interpreting the results. Jörg (2003) points out that subjective sampling tends to overemphasize what is regarded by the surveyors as typical vegetation, at the expense of less well-characterized transitional vegetation communities from such datasets (McCune & Grace 2002) and there is again a danger of simply reaffirming existing ideas. This problem of subjectivity may in some degree be mitigated, however, by the initial selection of survey sites, which may be described as "arbitrary but without preconceived bias" (McCune & Grace 2002). An interesting concept is that, due to the highly fragmented nature of woodland in Ireland, remaining sites may in themselves be regarded as samples of previous vegetation and / or indicators of potential vegetation (Cross 1998, 2006).

4.2 Conservation status of Irish woodlands

The assessment of the conservation value of surveyed sites highlights some reasons for encouragement. All of the top 28 sites have been designated as pNHAs or cSACs, suggesting that the current network of designated sites does cover many of the best sites in the country. Woodlands designated as pNHAs urgently need to receive full statutory designation where appropriate. The assessment also highlights that there are many sites rated as Very Good or Excellent that have not been recognised by any designation. The status of these sites needs to be reviewed. It is of particular note that several counties, particularly in the north midlands (e.g. Cavan, Monaghan, Leitrim) do not have any woodlands (or indeed semi-natural habitats of any kind), designated as part of National Parks or Statutory Nature Reserves, despite the fact that there are many woodlands of high quality in these counties. It is therefore recommended that sites in these counties be reviewed with regards to the possibility of expanding the Statutory Nature Reserves network. Statutory Nature Reserves and National Parks contain many of our best examples of native woodland but these designations should not be regarded as synonymous with high conservation value, lack of threat or adequate management. For example, at Rosturra Nature Reserve in Galway, the most frequently regenerating species is Picea sitchensis. At Mullangore Wood in Glenveagh National Park, Donegal, rhododendron is re-establishing and flowering in large areas previously cleared by volunteers. At Derryclare Nature Reserve, Galway, sheep grazing is a chronic problem.

Whilst no sites in the survey warranted a threat assessment of Severe, it should be noted that sites where threats were of such a high degree may well have been rejected in the field as failing to meet the minimum criteria for surveying. For example, the woods above Kylemore Abbey, Galway, have a canopy of *Quercus petraea, Betula pubescens, Sorbus aucuparia* and *llex aquifolium* and cover an area of over 90 ha, making it ostensibly one of the largest sites in country. However, the entire extent is totally infested by rhododendron and thus was rejected. Sites regarded as being under High threat should therefore be regarded as being on the cusp of native woodland status. Furthermore, sites with high conservation value may also be highly threatened (e.g. Borris, Carlow).

High levels of grazing and rhododendron infestation have been highlighted as major threats to Irish woodland in certain areas (e.g. the Killarney National Park; Kelly 1981, Cross 1981, Perrin *et al.* 2006a). In the past these problems have been extrapolated to the rest of the country (Neff 1974). However, the results of this survey suggest that high grazing levels are only an issue at the localised level (e.g. Derrybawn Woods, Co. Wicklow), with moderate, low or no grazing being predominant across most of the country. Furthermore, control of livestock grazing in woodlands may be as important as that of wild deer. Some sites may actually benefit from the introduction of controlled, low levels of grazing. Similarly, although *Rhododendron ponticum* was found to be the most frequent invasive shrub at the sites

surveyed, *Prunus laurocerasus* is also a frequent problem which needs addressing. The most frequent negative aspects of the woodlands surveyed were certainly the occurrence of *Fagus sylvatica* and *Acer pseudoplatanus*. Many of the selected sites were rejected in the field, or reduced in extent due to occurrence of these species, including sites designated as pNHAs for woodland (e.g. Ardee Woods, Louth; Barmeath Castle, Louth). Restoration management, typically focused on the removal of non-native shrubs and conifers, needs to seriously address the impact of these tree species.

The highly fragmented nature of Ireland's native woodland resource is clearly demonstrated by the data. Peterken (2002) recommends that larger woodlands should be no less than 25 ha, but only 11% of surveyed sites make this threshold. For very small woods, Peterken (2002) recommends that they should be at least 3 ha in size, but 21% of surveyed sites fail to meet this criterion. Management is needed not only to improve the conservation value of existing wooded areas but to reduce fragmentation by increasing the size of existing sites. The creation of new sites should be focused on increasing connectivity in the wooded landscape. A national strategy on reducing woodland fragmentation would ensure that resources are used most effectively.

Not only are the majority of Ireland's woodlands small in extent but the analysis of adjacent land cover shows that many woodlands are isolated from other semi-natural habitats by forestry or by agricultural grassland. The conservation value of sites could be improved by linking them with other woodlands by the restoration of hedgerows and woodland re-creation, or by creating mosaics of semi-natural habitats by favourable management of adjacent land (e.g. Newbridge Demesne, Dublin). Sites which were wooded in the 1830s and 1840s have been shown to be more diverse than those established subsequently. Further research into species which may serve as indicators of these older, more diverse sites is needed. The term ancient woodland is best avoided, however; this term is used in the UK specifically to refer to sites which can be proved to be continuously wooded since the 1600s. Woods potentially originating in the early 1800s cannot be referred to as ancient.

Of the Annex I habitats, 91A0 Old sessile oak woods and 91E0 *Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior*, are by far the most common in Ireland, whereas habitats 91D0 *Bog woodland and 91J0 **Taxus baccata* woods of the British Isles are much rarer. The current inclusion of stands dominated by non-native or dubiously native willows (i.e. gallery woodland) under habitat 91E0 is a point of debate. Whilst these stands may be of European importance, should positive action be taken to protect them outside their natural range? What type of native vegetation would occur in these rare ecological niches and should that not be promoted? Furthermore, the most diverse grouping identified by the survey was the *Corylus avellana – Oxalis acetosella* vegetation type with an average of forty species per 10 m x 10 m relevé. This grouping also includes Atlantic hazelwoods, whose internationally important

lichen community has recently been noted (Viney 2008), but it is not covered by any of the current Annex I woodland habitats. Although this vegetation type was the most common in Ireland of the twenty-two identified, further research into its importance in a European context may be warranted.

The priority Annex I habitat 9180 *Tilio-Acerion forests of slopes, screes and ravines has not been formally recognised in the Republic of Ireland. It encompasses woods of *Fraxinus excelsior*, *Ulmus glabra*, *Tilia* spp. and *Acer pseudoplatanus*. In the UK, a broad interpretation of this habitat type has been employed and this category has been applied to several sites at which *Tilia* spp. and *Acer pseudoplatanus* are scarce or absent but at which *Fraxinus excelsior*, *Corylus avellana* and / or *Ulmus glabra* dominate on rocky slopes. These sites include the West Fermanagh Scarplands SAC in Northern Ireland. Using such an interpretation it is likely that examples of this habitat occur in the Republic and further investigation is required to identify these sites. Potential candidates include Drumsnauv, Galway and Slieve Carran, Clare.

4.3 Utilisation of the data set

The GIS component of the project could assist in regional woodland creation schemes by providing spatial information on the existing occurrence of woodland and woodland types in the landscape. This could assist environmental managers who wish to link up existing sites or create new woodland in largely unwooded landscapes. Reference to extant sites could provide managers with information on the typical tree species composition of local sites for particular soil types, as well as providing a seed source of local provenance, as mentioned above. A more technical application of the structural data would be the creation of modelling software which could be used to predict the long-term effects of management decisions and to investigate how natural woodland ecosystems may have functioned, an area which is poorly understood in Ireland.

As mentioned above, the NSNW dataset highlights undesignated sites which may be worthy of designation, as well as indicating presently designated sites where improved management is required. The classification provides an objective framework for classifying and mapping native woodlands, whilst the approach used would be readily applicable to other vegetation types and habitats in Ireland for which similar data are available. As such it could form a blueprint for the national Irish vegetation classification proposed by the National Biodiversity Data Centre. The inclusion of data from Northern Ireland woodlands would enable an all-Ireland classification to be produced with expanded distribution maps. The conservation and threat assessments provide a baseline for the monitoring of woodlands in general, and in tandem with the Annex I monitoring guidelines may be particularly important with reference to the maintenance of Annex I woodland habitats at favourable status. Stand structure and relevé data provide excellent baseline information for more detailed long-term scientific

studies, whilst the inventory identifies woodlands of different types across the country which could be the sites of faunal, fungal or further floral projects.

4.4 Concluding remarks

The main recommendations resulting from this survey are:

- Review undesignated sites with high conservation scores for suitability as NHAs
- Review undesignated sites with high conservation scores for suitability as Nature Reserves
- Develop a national strategy to reduce the fragmentation of Irish native woodlands
- · Promote the development of semi-natural habitat complexes around isolated woodlands
- Produce a list of long-established woodland indicator species for Ireland
- Recognise the limitations of existing classification schemes and utilise the NSNW classification in the production of any future national Irish vegetation classification
- Incorporate relevé data from Northern Ireland woodlands into the dataset
- Recognise the widespread impact of beech and sycamore on native woodlands in conservation strategies and management plans
- Recognise the issue of undergrazing and the importance of livestock grazing in conservation strategies and management plans
- Research the conservation status of high-diversity Irish calcareous woodlands in a European context and recognise the importance of these stands in a national context.

The NSNW has provided a detailed account of the full breadth of Irish woodlands. Many of the woodlands surveyed are high in biodiversity, some harbouring species which are unique to Ireland or confined to a small number of countries. Stewardship of such a resource is both a privilege and a responsibility; its uniqueness and value – from a scientific, cultural and aesthetic perspective – are qualities to be appreciated and preserved for generations to come. The outputs of the NSNW will provide a much-needed resource for environmental managers, ecological researchers and policy makers to work towards the achievement of this aspiration.

Lobaria pulmonaria





Flavioparmelia caperata

Polytrichum commune

Woodland Mosses & Lichens





Sphagnum squarrosum

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TECHNICAL ADDENDUM: Annex I woodland habitat monitoring guidelines

For each Annex I habitat assessment three parameters are scored: area, structure and functions, and future prospects. For a habitat at a site to be given an overall assessment of favourable the habitat must be assessed as favourable within each of the three assessment parameters (Table A1).

Table A1. Summary matrix of the parameters and conditions required to assess the
conservation status of habitats (Anon. 2006).

	Favourable	Unfavourable – Inadequate	Unfavourable - Bad
Area	Stable	>0% <1% decline/year	≥ 1% decline/year
Structure and functions	Stable	1 – 25% decline/failure	> 25% decline/failure
Future prospects	Good	Poor	Bad
Overall	All green	Combination of green and amber	One or more red

Area

Changes in extent should be assessed by comparing the area of the Annex I woodland habitat that is mapped during the survey with the mapped extent of the habitat present in previous surveys, or if this is the first survey on the 2000 aerial photograph. Changes can be quantified using GIS software.

Structure and functions

Structure and function should be assessed using a number of factors including:

- positive indicator species
- negative indicator species
- structural data (e.g. total canopy cover)
- tree regeneration data
- presence of old and senescing trees
- presence of dead wood

Positive and negative indicator species and the threshold values for other factors vary by habitat type. The assessment criteria that should be utilised for monitoring habitats 91A0, 91D0, 91E0 and 91J0 are presented in Tables A2-A5 respectively. Threshold values are based on data from the NSNW, the conservation status assessment reports on Annex I habitats in Ireland from 2007, and JNCC (2004). The bases of the lists of positive indicator species are shown in Tables A6-A9. Note that *Hedera helix, Dryopteris dilatata* and *Rubus*

fruticosus are important components in most of the Annex I woodland habitats. However, due to their very high frequency in native Irish woodland they were deemed to be of low discriminating value.

Future prospects

The method for assessing future prospects is development from that proposed in Martin et al. (2007). Fourteen categories are used to calculate the overall future prospects for an area of Annex I habitat. The scoring system for each of these categories is listed in Table A10. The importance of each category should be assessed and given a score ranging from 0 to -3 (for negative categories) and 0 to 3 (for positive categories). These values correspond to the impact levels of none, low, medium and high (active and immediate) proposed in the Natura 2000 Standard form explanatory notes. Where possible the percentage of the surface area of the Annex I habitat affected by each category should also be estimated. Ten of the categories represented negative impacts and activities: drainage, burning, dumping, inappropriate felling, active quarries, undergrazing, overgrazing, artificial planting, non-native tree species and invasive shrub species. The final four categories represent protection and enhancement of an Annex I woodland: designated site status, occurrence of notable species and appropriate native planting within and adjacent to the site. Notable species are those listed on the Flora Protection Order, 1999 or in the Irish Red Data Book (Curtis & McGough 1988). Any additional negative or positive activities that are recorded during the survey should also be recorded in the same way, utilising the codes listed within Appendix E of the Natura 2000 standard form explanatory notes.

Fieldwork

Fieldwork for the assessment should be based on a structured walk through the Annex I woodland habitat with a series of monitoring stops along the way. On an appropriate scale map (usually 1:10,000) a route should be marked that gives a reasonable coverage of the area to be assessed, taking account of any known variability, and any areas under high risk of change. If a site contains more than one Annex I woodland habitat, each habitat should be approached separately with its own route and monitoring stops.

Within limits imposed by health and safety considerations the route should not be confined to paths but should go though the centre of stands and across contours. Allow a day on site for areas up to 20 ha; larger areas or those on difficult terrain may need more than a day to be assessed.

The simplest approach to ensuring systematic coverage is to mark 4, 8, 12 or 16 monitoring stops on a map, depending on the area to be covered, ensuring the stops are evenly spaced and cover any expected variation. Each stop will be a 20 m x 20 m relevé. These stops will be the main assessment points, but the state of the Annex I habitat between the stops should be considered as well. Do not be too constrained by the route or precise position of the stops if

minor deviations will provide a better picture of the Annex I habitat. However, do record any major variations in the route. At each stop the data required on the appropriate structure and functions assessment sheet should be collected. It is not essential that all the same points will be re-surveyed on future visits, but there should be some overlap, with 50% overlap recommended. If there are stops that raised concerns previously these should be included in subsequent visits. As part of the monitoring visit the surveyor should map the total extent of the Annex I habitat using a mobile mapper GPS if available. Where the Annex I habitat forms part of a larger woodland site this should also be walked to collect data on negative impacts required to assess future prospects.

Overall assessment

At the end of each site visit, each attribute of the Annex I woodland habitat that you have covered should be reviewed. Ideally all applicable targets will have been met, but some targets may not have been. For these, consider how significant the missed targets are and what the cause of the failure was. It should be noted that some targets have relatively arbitrary thresholds and there is not a sudden change in condition at the threshold point. Just missing a threshold is less significant than knowing whether the trend is up or down, and what factors are influencing that trend. If the reason for a target not being met is some unforeseen natural event or a temporary management glitch that is being rectified, this may be less serious than if the failure were due to more deliberate actions.

The assessment should be made on the attributes recorded. If for some reason some targets cannot be considered (wrong season or inadequate expertise) then a provisional overall assessment should be made on the basis of the targets that were assessed. A judgement will then be needed as to when the missing targets will be picked up.

At the end of the assessment process each of the three criteria of area, structure and functions, and future prospects must be assessed for the area of Annex I woodland habitat that has been surveyed. For any of the three criteria it is important that an assessment of unfavourable is accompanied by notes as to how this could be remedied. For woodlands whose status has been assessed as favourable, trends that have been observed which could threaten the woodland in the future should be highlighted before they adversely affect the Annex I woodland habitat.

Table A2. 91A0 Old Sessile Oak Woods structure and functions assessment criteria

Positive indicator species	<u>√</u>	Positive indicator species	✓
Trees & woody species		Mosses & liverworts (Cont.)	
Betula pubescens		Kindbergia praelonga	
Corylus avellana		Mnium hornum	
llex aquifolium		Plagiothecium undulatum	
Lonicera periclymenum		Polytrichastrum formosum	
Quercus petraea		Pseudotaxiphyllum elegans	
Sorbus aucuparia		Rhytidiadelphus loreus	
Vaccinium myrtillus		Saccogyna viticulosa	
Herbs & ferns		Negative indicator species	✓
Blechnum spicant		Non-native tree species	
Luzula sylvatica		Acer pseudoplatanus	
Oxalis acetosella		Fagus sylvatica	
Polypodium vulgare		Non-native conifer species	
		Other:	
Mosses & liverworts		Non-native shrub species	
Calypogeia muellerana		Cotoneaster spp.	
Dicranum scoparium		Prunus laurocerasus	
Scapania gracilis		Rhododendron ponticum	
Thuidium tamariscinum		Symphoricarpos albus	
Diplophyllum albicans		Other:	
Eurhynchium striatum			
Hylocomium brevirostre		Pass = No negative indicator species recorded	
Hypnum cupressiforme		Structural data	\checkmark
Hypnum jutlandicum		Median canopy height >11m	
Isothecium myosuroides		Total canopy cover >30% of plot	
Pass = Quercus petraea or Q. x rosacea		<i>Q. petraea</i> or <i>Q. x rosacea</i> >50% of canopy	
plus ≥6 of the other listed species present		Total shrub layer cover 10-50%	
Other stop data	✓	Field layer $\ge 20\%$ cover and ≥ 20 cm high	
Evidence of bark stripping (present = fail)		Pass = all five criteria met	
% bryophyte cover (pass = ≥4%)			

Indicator species and criteria to be scored at each 20 m x 20m assessment stop

Target tree species dbh	Old trees and dead wood
No. of young stems 7-19cm dbh No. of stems 20-40cm dbh No. of mature stems >40cm dbh	No. of old/senescing trees >30cm dbh No. of standing dead trees >30cm dbh No. fallen dead trees >30cm dbh
Pass = Over all stops each size class represents ≥ 20% of total stems	Pass = 1+ old/senescing tree in ≥ 25% of stops and 4+ standing dead trees/ha and 3+ fallen dead trees/ha
Target tree species regeneration	Native tree species regeneration
Pass = 1+ target sapling >2m tall present in Annex I habitat <i>(only assess if canopy gaps occur)</i>	Pass = 1+ native sapling >2m tall present in ≥50% of plots
Target tree species = Que	ercus petraea and Quercus x rosacea

Table A3. *91D0 Bog woodland structure and functions assessment criteria

Positive indicator species	√	red at each 20 m x 20m assessment stop Negative indicator species	✓
Trees & woody species		Non-native tree species	
Betula pubescens		Acer pseudoplatanus	
Salix cinerea		Fagus sylvatica	
		Non-native conifer species	
Herbs & ferns		Other:	
Anthoxanthum odoratum		Non-native shrub species	
Blechnum spicant		Cotoneaster spp.	
Carex echinata		Prunus laurocerasus	
Juncus effusus		Rhododendron spp.	
Molinia caerulea		Symphoricarpos spp.	
Potentilla erecta		Cornus sericea	
		Other:	
Mosses & liverworts			
Hypnum cupressiforme			
Kindbergia praelonga			
Mnium hornum			
Polytrichum commune			
Sphagnum spp.			
Thuidium tamariscinum			
Ulota bruchii / Ulota crispa			
		Pass = No negative indicator species recorded	
		Structural data	✓
		Median canopy height >5m	
		Total canopy cover >30% of plot	
Pass = Betula pubescens, Sphagnum spp.		Betula pubescens >50% of canopy	
plus ≥5 of the other listed species present		Total shrub layer cover 10-50%	
Other stop data	✓	Field layer $\ge 20\%$ cover and ≥ 20 cm high	
Evidence of bark stripping (present = fail)		Pass = all five criteria met	
% <i>Sphagnum</i> spp. cover (pass = ≥10%)			

Indicator species and criteria to be scored at each 20 m x 20m assessment stop

Target tree species dbh	Old trees and dead wood		
No. of young stems 7-14cm dbh No. of stems 15-30cm dbh No. of mature stems >30cm dbh	No. of old/senescing trees >20cm dbh No. of standing dead trees >20cm dbh No. fallen dead trees >20cm dbh		
Pass = Over all stops each size class represents ≥ 20% of total stems	Pass = $1 + \text{old/senescing tree in} \ge 25\%$ of stops and $4 + \text{ standing dead trees/ha}$ and $3 + \text{ fallen dead trees/ha}$		
Target tree species regeneration	Native tree species regeneration		
Pass = 1+ target sapling >2m tall present in Annex I habitat	Pass = 1+ native sapling >2m tall present in ≥50% of plots		
Target tree species = Betula pubescens			

 Table A4. 91E0 *Alluvial forests with Alnus glutinosa and Fraxinus excelsior structure and functions assessment criteria

Positive indicator species	√	Negative indicator species	✓
Trees & woody species		Non-native tree species	
Alnus glutinosa		Acer pseudoplatanus	
Betula pubescens		Fagus sylvatica	
Crataegus monogyna		Non-native conifer spp.	
Fraxinus excelsior		Other:	
Salix cinerea			
		Non-native shrub species	
Herbs & ferns		Cotoneaster spp.	
Agrostis stolonifera		Prunus laurocerasus	
Angelica sylvestris		Rhododendron ponticum	
Filipendula ulmaria		Symphoricarpos albus	
Galium palustre		Cornus sericea	
Iris pseudacorus		Other:	
Mentha aquatica			
Phalaris arundinacea			
Rumex sanguineus			
Urtica dioica			
Mosses & liverworts			
Calliergonella cuspidata			
Hypnum cupressiforme			
Kindbergia praelonga			
Ulota bruchii		Pass = No negative indicator species recorded	
Ulota crispa		Structural data	✓
		Median canopy height >7m	
Pass = F. excelsior/Alnus glutinosa/		Total canopy cover >30% of plot	
S. cinerea plus ≥6 of the listed species		Target species >50% of canopy	
present		Total shrub layer cover 10-50%	
Other stop data	✓	Field layer \geq 20% cover and \geq 20 cm high	
Evidence of bark stripping (present = fail)		Pass = all five criteria met	
% bryophyte cover (pass = >4%)			

Indicator species and criteria to be scored at each 20 m x 20m assessment stop

Target tree species dbh	Old trees and dead wood
No. of young stems 7-19cm dbh No. of stems 20-40cm dbh No. of mature stems >40cm dbh	No. of old/senescing trees >30cm dbh No. of standing dead trees >30cm dbh No. fallen dead trees >30cm dbh
Pass = Over all stops each size class represents ≥ 20% of total stems	Pass = 1+ old/senescing tree in ≥ 25% of stops and 4+ standing dead trees/ha and 3+ fallen dead trees/ha
	Native tree species regeneration
	Pass = 1+ native sapling >2m tall present in ≥50% of plots
Target tree species = F. e.	xcelsior or A. glutinosa or S. cinerea

Table A5. 91J0 * Taxus baccata woods of the British Isles structure and functions assessment criteria

Positive indicator species		red at each 20 m x 20m assessment stop Positive indicator species	✓
Trees & woody species		Mosses & liverworts (Cont.)	
Corylus avellana		Neckera crispa	
llex aquifolium		Plagiochila asplenoides	
Lonicera periclymanum		Plagiomnium undulatum	
Taxus baccata		Rhynchostegiella tenella	
		Rhytidiadelphus triquetrus	
Herbs & ferns		Thamnobryum alopecurum	
Brachypodium sylvaticum		Thuidium tamarascinum	
Carex flacca		Tortella tortuosa	
Hypericum pulchrum		Negative indicator species	✓
Phyllitis scolopendrium		Non-native tree species	
Viola riviniana / reichenbachiana		Acer pseudoplatanus	
		Fagus sylvatica	
Mosses & liverworts		Non-native conifer species	
Ctenidium molluscum		Other:	
Eurhynchium striatum		Non-native shrub species	
Fissidens dubius		Cotoneaster spp.	
Frullania tamariscinum		Prunus laurocerasus	
Hypnum cupressiforme		Rhododendron ponticum	
Isothecium alopecuroides		Symphoricarpos albus	
Isothecium myosuroides		Other:	
Loeskeobryum brevirostre			
Marchesinia mackaii		Pass = No negative indicator species recorded	
Metzgeria furcata		Structural data	\checkmark
Neckera complanata		Median canopy height >7m	
		Total canopy cover >30% of plot	
Pass = <i>Taxus baccata</i> plus ≥6 of		Taxus baccata >50% of canopy	
listed species present		Total shrub layer cover 10-50%	
Other stop data	✓	Field layer $\geq 10\%$ cover and ≥ 15 cm high	
Evidence of bark stripping (present = fail)		Pass = all five criteria met	
% bryophyte cover (pass = >25%)			

Indicator species and criteria to be scored at each 20 m x 20m assessment stop

Target tree species dbh	Old trees and dead wood		
No. of young stems 7-19cm dbh No. of stems 20-40cm dbh No. of mature stems >40cm dbh	No. of old/senescing trees >30cm dbh No. of standing dead trees >30cm dbh No. fallen dead trees >30cm dbh		
Pass = Over all stops each size class represents ≥ 20% of total stems Pass = 1+ old/senescing tree in ≥ 25% of s and 4+ standing dead trees/ha and 3+ fallen dead trees/ha			
Target tree species regeneration	Native tree species regeneration		
Pass = 1+ target sapling >2m tall present (open areas adjacent to the Annex I habitat should be included) Pass = 1+ native sapling >2m tall present in ≥50% of plots			
Target tree species = Taxus baccata			

	Frequent Rubus –	Frequent Ilex – Vaccinium	Frequent <i>Luzula</i> – <i>Dryopteris</i>	Frequent scapanietosum
	<i>Corylus</i> vegetation type species (>60%) ¹	vegetation type species (>60%) ¹	vegetation type species (>60%) ¹	subassociation species (>80%) ²
Betula pubescens		*		
Blechnum spicant	*	*	*	*
Calypogeia muelleriana				*
Corylus avellana	*		*	
Dicranum scoparium				*
Diplophyllum albicans				*
Dryopteris dilatata	*	*	*	
Eurhynchium striatum	*			
Hedera helix	*	*	*	*
Loeskeobryum brevirostre				*
Hypnum cupressiforme		*	*	
Hypnum jutlandicum				*
llex aquifolium	*	*	*	*
İsothecium myosuroides	*	*	*	*
Kindbergia praelonga	*		*	*
Lonicera periclymenum	*	*	*	
Luzula sylvatica			*	*
Mnium hornum				*
Oxalis acetosella	*	*		
Plagiothecium undulatum				*
Polypodium vulgare			*	
Polytrichastrum formosum		*		*
Pseudotaxiphyllum elegans				*
Quercus petraea	*	*	*	*
Rhytidiadelphus loreus				*
Rubus fruticosus	*	*	*	
Saccogyna viticulosa				*
Scapania gracilis				*
Sorbus aucuparia		*		
Thuidium tamariscinum	*	*	*	*
Vaccinium myrtillus		*		*

Table A6. Typical species for habitat 91A0 Old sessile oak woods in Ireland. Data are from: NSNW ¹,Kelly & Moore (1975) ².

	Frequent Sphagnum palustre – Betula pubescens <i>species</i> (>60%) ¹	Frequent <i>Molinia caerulea-</i> <i>Potentilla erecta</i> vegetation type species (>60%) ²
Anthoxanthum odoratum	*	
Betula pubescens	*	*
Blechnum spicant	*	
Carex echinata	*	
Hypnum cupressiforme		*
Juncus effusus	*	*
Kindbergia praelonga		*
Mnium hornum	*	
Molinia caerulea	*	*
Polytrichum commune	*	
Potentilla erecta		*
Salix cinerea		*
<i>Sphagnum</i> spp.	*	*
Thuidium tamariscinum	*	*
Ulota bruchii / U.crispa		*

Table A7. Typical species in Ireland for habitat 91D0 *Bog woodlands. Data are from Kelly & Iremonger $(1997)^1$ and NSNW²

Table A8. Typical species for 91E0 *Alluvial forests with Alnus glutinosa and Fraxinus excelsior habitat inIreland. Columns represent vegetation types defined by the NSNW. Asterisk indicates species occurredin >60% of plots for that vegetation type.

				Betula	
	Fraxinus	Rubus fruticosus		pubescens –	Salix triandra
	excelsior –	– Agrostis	Equisetum	Mentha	– Urtica
	Carex remota	stolonifera	fluviatile	aquatica	dioica
Agrostis stolonifera		*			
Alnus glutinosa	*	*		*	
Angelica sylvestris				*	
Betula pubescens				*	
Calliergonella cuspidata				*	
Crataegus monogyna	*			*	
Dryopteris dilatata	*	*			
Filipendula ulmaria	*	*	*	*	*
Fraxinus excelsior	*	*	*	*	
Galium palustre		*	*	*	
Hedera helix	*	*	*	*	*
Hypnum cupressiforme		*	*		
Iris pseudacorus				*	
Kindbergia praelonga	*	*	*	*	
Mentha aquatica				*	
Phalaris arundinacea				*	
Rubus fruticosus	*	*	*	*	
Rumex sanguineus					*
Salix cinerea	*	*	*	*	
Ulota bruchii / U. crispa				*	
Urtica dioica					*

Table A9. Typical species in Ireland for habitat 91J0 * *Taxus baccata* woods of the British Isles. Data are
from Kelly (1981)¹ and NSNW²

	Frequent species (>70%) Reenadinna Wood ¹	Indicator species for <i>Taxus</i> baccata – Carex flacca vegetation type ²
Brachypodium sylvaticum	*	*
Carex flacca		*
Corylus avellana	*	
Ctenidium molluscum	*	*
Eurhynchium striatum	*	
Fissidens dubius		*
Frullania tamariscinum		*
Hedera helix	*	
Hypericum pulchrum		*
Hypnum cupressiforme	*	
llex aquifolium	*	
Isothecium alopecuroides	*	
Isothecium myosuroides	*	*
Loeskeobryum brevirostre	*	
Lonicera periclymenum	*	
Marchesinia mackaii	*	
Metzgeria furcata		*
Neckera complanata	*	*
Neckera crispa		*
Phyllitis scolopendrium	*	
Plagiochila asplenioides	*	
Plagiomnium undulatum	*	
Rhynchostegiella tenella	*	
Rhytidiadelphus triquetrus	*	
Rubus fruticosus	*	
Taxus baccata	*	*
Thamnobryum alopecurum	*	*
Thuidium tamarascinum	*	
Tortella tortuosa	*	
Viola riviniana /	*	
V. reichenbachiana		

Table A10. Negative and positive categories for the assessment of future prospects

Negative impacts and activities categories

Drainage (Code 810)

Level	Description	Score	% of area
0	None recorded		
-1	Drainage recorded within site but not near Annex I habitat		
-2	Drainage recorded adjacent to Annex I habitat		
-3	Drainage within Annex I habitat		

Burning (Code 180)

Level	Description	Score	% of area
0	None recorded		
-1	Minor scorch marks (e.g. from campfire)		
-2	Localised fires which have scorched surrounding vegetation		
-3	Widespread fires which have burnt large areas of woodland		

Dumping (Code 750)

Level	Description	Score	% of area
0	None recorded		
-1	Dumping recorded within site but not near Annex I habitat		
-2	Dumping recorded adjacent to Annex I habitat		
-3	Dumping within Annex I habitat		

Active quarries (Code 301)

Level	Description	Score	% of area
0	None recorded		
-1	Small to medium sized quarry used sporadically by landowners for infill or maintenance recorded adjacent to a woodland site		
-2	Large quarry actively used for commercial purposes recorded adjacent to a woodland site		
-3	Quarry of any size recorded within a woodland site, or a quarry that has infringed on a woodland site within the last 10 years		

Inappropriate felling of native tree species (Code 164)¹

Level	Description	Score	% of area
0	None recorded		
-1	Felling recorded within site but not near Annex I habitat		
-2	Felling recorded adjacent to Annex I habitat		
-3	Felling recorded within Annex I habitat		

Recent inappropriate planting (Code 162)².

Level	Description	Score	% of area
0	None recorded		
-1	Inappropriate planting recorded within a site but not near Annex I habitat		
-2	Inappropriate planting recorded adjacent to Annex I habitat		
-3	Inappropriate planting within Annex I habitat		

Invasive shrub species (Code 954)

Level	Description	Score	% of area
0	None recorded		
-1	Invasive shrub species are rare or occasional within non-Annex I sections of the site		
-2	Invasive shrub species are frequent or abundant within non-Annex I sections of the site		
-3	Invasive shrub species recorded within Annex I habitat		

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¹ Appropriate felling includes works conducted as part of positive management practices e.g. coppicing, continuous cover forestry. Inappropriate felling includes clearance for agriculture or development, timber poaching etc.
² Non-native or native trees.

Evidence of undergrazing (Code 140)

Level	Description	Score	% of area
0	None recorded		
-1	Low woody plants / shrub layer dense enough to make movement through non-Annex I sections of the site difficult in places		
-2	Low woody plants / shrub layer dense enough to make movement through non-Annex I sections of the site difficult for the majority of the site		
-3	Low woody plants / shrub layer dense enough to make movement through Annex I sections of the site difficult in places		

Evidence of overgrazing (Code 140)³

Level	Description	Score	% of area
0	None recorded		
-1	Overgrazing recorded for some non-Annex I sections of the site		
-2	Overgrazing recorded over majority of non-Annex I sections of the site		
-3	Overgrazing recorded within the Annex I habitat		

Non-native tree species (Code 954)⁴

Level	Description	Score	% of area
0	None recorded		
-1	Non-native tree species are rare or occasional within non-Annex I sections of the site		
-2	Non-native tree species are frequent or abundant within non-Annex I sections of the site		
-3	Non-native tree species recorded within Annex I habitat		

Positive conservation categories

Notable species

Level	Description	Score
0	None recorded	
1	Species listed in Red Data Book recorded on site	
2	Species listed under Flora Protection Order recorded on site	
3	Both Red Data Book and Flora Protection Order species recorded on the site	

Designated site status

Level	Description	Score
0	None recorded	
1	Annex habitat within NHA boundary	
2	Annex habitat within SAC boundary	
3	Annex habitat within National Park or NPWS managed Nature Reserve	

Recent native planting within site ⁵

Level	Description	Score
0	None recorded	
1	Appropriate planting of native species rare or occasional but not within Annex I habitat	
2	Appropriate planting of native species frequent but not within Annex I habitat	
3	Appropriate planting of native species within Annex I habitat	

Recent native planting adjacent to site ⁵

Level	Description	Score
0	None recorded	
1	Appropriate planting of native species adjacent to site, up to 1 ha in extent	
2	Appropriate planting of native species adjacent to site, 1-5 ha in extent	
3	Appropriate planting of native species adjacent to site, over 5 ha in extent	

Overall score = ≥ 0, status is Favourable Overall score = −1 to −9, status is Unfavourable Inadequate Overall score = ≤ −10, status is Unfavourable Bad

³ Overgrazing indicated by: shrub layer severely checked/lacking, field layer generally <20 cm, tree regeneration rare/confined to safe sites, some bare soil/poaching visible

⁴ Mature non-native trees and young non-native trees resulting from natural dispersal

⁵ Appropriate planting comprises planting of native species characteristic of the habitat in suitable proportions, using local Irish provenance seed sources in situations where it is required to improve the conservation status of the habitat.

APPENDIX 1: NATIVE STATUS OF TREES IN IRELAND

Follows Meikle (1984) for willows and Webb *et al.* (1996) for other species. * indicates where status is questionable

Native species	Common Name	Non-native species	Common Name
Alnus glutinosa	Alder	Abies alba	European silver-fir
Arbutus unedo	Strawberry	Abies nordmanniana	Caucasian fir
Betula pendula	Silver birch	Abies procera	Noble fir
Betula pubescens	Downy birch	Acer campestre	Field maple
Corylus avellana	Hazel	Acer platanoides	Norway maple
Crataegus monogyna	Hawthorn	Acer pseudoplatanus	Sycamore
Euonymus europaeus	Spindle-tree	Aesculus hippocastanum	Horse-chestnut
Frangula alnus	Alder buckthorn	Alnus incana	Grey alder
Fraxinus excelsior	Ash	Carpinus betulus	Hornbeam
lex aquifolium	Holly	Castanea sativa	Sweet chestnut
Malus sylvestris	Crab apple	Chamaecyparis lawsoniana	Lawson's cypress
Populus nigra ssp. betulifolia	Black poplar	Fagus sylvatica	Beech
Populus tremula	Aspen	Larix decidua	European larch
Prunus avium	Wild cherry	Larix kaempferi	Japanese larch
Prunus padus	Bird cherry	Picea abies	Norway spruce
Prunus spinosa	Blackthorn	Picea sitchensis	Sitka spruce
Quercus petraea	Sessile oak	Pinus contorta	Lodgepole pine
Quercus petraea x Q. robur	-	Pinus sylvestris	Scots pine
Quercus robur	Pedunculate oak	Populus deltoides x P. nigra	Hybrid black poplar
Rhamnus cathartica	Buckthorn	Populus nigra var. "Italica"	Lombardy
Salix aurita	Eared willow	Prunus laurocerasus	Cherry laurel
Salix aurita x S. cinerea	-	Pseudotsuga menziesii	Douglas fir
Salix caprea	Goat willow	Quercus cerris	Turkey oak
Salix cinerea	Grey willow	Quercus ilex	Evergreen oak
Salix pentandra	Bay willow	Quercus rubra	Red oak
Salix purpurea *	Purple osier	Salix alba *	White willow
Sambucus nigra	Elder	Salix caprea x S. viminalis	-
Sorbus aucuparia	Rowan	Salix fragilis *	Crack willow
Sorbus devoniensis	French hales	Salix triandra	Almond-leaved willow
Sorbus hibernica	Irish whitebeam	Salix viminalis *	Osier
Taxus baccata	Yew	Sequoia sempervirens	Coastal redwood
Jlmus glabra	Wych elm	Sorbus aria	Whitebeam
/iburnum opulus	Guelder-rose	Tilia cordata	Small-leaved lime
		Tilia cordata x T. platyphyllos	Common lime
		Tsuga heterophylla	Western hemlock
		Ulmus procera	English elm
		Ulmus x hollandica	Dutch elm

APPENDIX 2: FIELD SHEETS

Sheet A – General site survey

Sheet B – Site species list

Sheet C1 – Relevé survey

Sheet C2 – Lichen check list

Sheet D1 – Tree structural data Sheet D2 – Vertical stratigraphy

Site ID		Management		Veg. c	omm	%	Evidence of g	grazers	Regeneration	neration (incl. exotic spr			for)
Team		Old native planting	T		ak birch holly		Deer		Sp.	Sd	Sp	Ρ	M
Date		Recent native planting		WN2 oa	ak ash hazel		Cattle						
Releves:		Recently felled natives		WN3 ye	w woodland		Sheep						
General		Old b/l exotics planting		WN4 wet oak ash			Rabbits						
Altitude range m		New b/l exotic planting		WN5 rip			Hares						
Slope		Old conifer planting			llow alder as	h	Goats						
Aspect		New conifer planting		WN7 B	og		Horses						
Site area (ha)		Recent exotic felling		WD1 n			Other:						
		Mature coppice		WD2 m	ixed b/l + co		Grazing Leve						
Topographical situ	ation	Recently cut coppice		Other									
Flat		Pollards					Invasive shru	ıbs					
Summit (angular)		Amenity					Species	Level					
Summit (rounded)		Dumping		Adj. L	and Use		Prun laur						
Upper slope		Other		FL	CW		Rhod pont						
Mid-slope				FW	CS		Symp albu						
Terraced slope		Internal Features		FP	WN		Coto spp						
Lower slope		Banks		FS	WD		Corn seri						
Depression		Ditches		GA	WS		Leyc form						
Other		Cultivation ridges		GS	WL		Fall japo						
		Ruined buildings		GM	BC		Other						
Geography		Walls		HH	BL								
Esker		Exclosures		HD	ER								
Drumlin				PB	EU								
Hill		Dead Wood (afor)		PF	ED								
Valley		Standing dead		CD									
Lakeside		Standing damaged		CC									
Bogland		Uprooted/root plate		CB									
Other		Coarse wood/debris											
		Fine Woody debris											
Soil moisture regin	ne	Snags/snapped				•							
Freely draining				Bound	lary								
Moderately free		Surface Cover (dafor)		River/S	Stream								
Impeded		Rock & Boulders		Canal									
Strongly impeded		Stones & gravel		Rail									
0, 1		Bare soil		Lake									
Hydrological featu	res	Litter		Road/	Track								
Seasonal flooding		Bryophyte		Wall			1						
Springs		Herb		Ditch			1						
Lakes/pools		Low woody sp.		Bank			7						
Rivers/streams				Fence			1						
Damp Clefts/ravines	6	1			- Abrupt		1		Shee	et A: Genera	I site s	survey	/
Other	-	1	\neg		Diffuse		1						

Trees	F	S	C Low woody	Herbs	Herbs	Herbs	Sedges	Ferns	Mosses		
Abie alba			Buxu semp	Circ lute	Lysi vulg	Succ prat	Care vesi	Poly vulg	Poly form		Site II Date: Team
Abie proc			Call vulg	Cirs arve	Lyth sali	Tara agg.	Care viri	Pols seti	Pseu puru		Site ID: Date: Team:
Acer pseu			Corn sang	Cirs diss	Mela prat	Teuc scor		Pter aqui	Rhiz punc		<u>0</u>
Aesc hipp			Cyti scop	Cirs palu	Ment aqua	Tori japo	Grasses		Rhyn ripa		
Alnu glut			Eric tetr	Cirs vulg	Meny trif	Trif repe	Agro cani	Mosses	Rhyt lore		
Betu pend			Fall japo	Cono maju	Myos laxa	Trif prat	Agro capi	Ambl serp	Rhyt squa		
Betu pub			Hede heli	Crep palu	Myos scor	Tuss farf	Agro stol	Atri undu	Rhyt trig		
Carp betu			Leyc form	Dact fuch	Oena croc	Urti dioi	Anth odor	Brac riv	Spha capi	1	
Cast sati			Ligu vulg	Digi purp	Orch masc	Umbe rupe	Arrh elat	Brac rut	Spha cusp		
Cory avel			Loni peri	Epil hirs	Oxal acet	Vale offi	Brac sylv	Call cord	Spha fimb	-ii	
Crat mono			Myri gale	Epil mont	Pers hydr	Vero becc	Brom ramo	Call cusp	Spha palu		
Euon euro			Rhod pont	Epil obsc	Pers macu	Vero cham	Cyno cris	Cinc font	Spha squa	1	
Fagu sylv			Ribe nigr	Epil palu	Peta frag	Vero mont	Dact glom	Cirr pili	Spha subn		
Frax exce			Ribe rubr	Epil parv	Plan lanc	Vero offi	Desc cesp	Clim den	Tham alop	1	
llex aqui			Rosa arv	Epip hell	Plan majo	Vero serp	Desc flex	Cryp hete	Thui tama	-ii	
Lari deci			Rosa can	Eupa cann	Pote anse	Vici crac	Fest rubr	Cten moll	Ulot bruc		
Lari kaem			Rubu idea	Fili ulma	Pote erect	Vici sepi	Fest gigi	Dicr maju	Ulot crisp	1	
Malu sylv			Rubu frut	Frag vesc	Pote palu	Viol palu	Glyc flui	Dicr scop	Ulot phyl	1	
Pice abie			Symp albu	Gali apar	Pote rept	Viol reic	Holc lana	Eurh stri	Zygo viri		
Pice sitc			Ulex euro	Gali odor	Pote ster	Viol rivi	Holc moll	Fiss adia	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Pinu sylv			Ulex gali	Gali palu	Prim vulg	Viol sp.	Loli pere	Fiss bryo			
Popu nigr			Vacc myrt	Gali saxa	Prune vulg		Meli unif	Fiss taxi	Liverworts	1	
Popu trem				Gera robe	Ranu acris	Rushes	Moli caer	Font anti	Caly fissa		
Prun aviu			Herbs	Geum urba	Ranu fica	Junc acut	Phal arun	Homa seri	Caly muel	-ii	
Prun laur			Aego poda	Glec hede	Ranu flam	Junc arti	Phle prat	Hook luce	Chil poly		
Prun padu			Ajug rept	Hera spon	Ranu repe	Junc bufo	Phra aust	Hylo brevi	Cono coni	-ii	
Prun spin			Alis plan	Hyac nons	Rori nast	Junc bulb	Poa annu	Hylo splen	Dipl albi	1	
Pseu menz			Alli pete	Hydr vulg	R. acetosa	Junc cong	Poa triv	Hyoc armo	Frul dila		
Quer xros			Alli urs	Hype andr	Rume cong	Junc effu		Hypn ando	Frul tama	-ii	
Quer petr			Anag arve	Hype masc	Rume obtu	Junc infl	Horsetails	Hypn cupr	Leje ulic		
Quer robu			Anem nem	Hype perf	Rume san	Luzu camp	Equi arve	Hypn jutl	Lepi rept		
Rham cath			Ange syl	Hype pulc	Sani euro	Luzu pilo	Equi fluv	Hypn resu	Loph bid		
Sali alba			Anth sylv	Hype tetr	Scro nod	Luzu mult	Equi palu	Isop eleg	Lunu cruc		
Sali auri			Apiu nodi	Hypo radi	Scut gale	Luzu sylv	Equi sylv	Isot alop	Marc mach		
Sali capr			Arct minu	Impa glan	Sene aqua		Equi telm	Isot myos	Metz frut		
Sali cine			Arum macu	Iris pseu	Sene jaco	Sedges		Kind prae	Metz furc		
Sali frag			Bell pere	Laps comm	Sile dioi	Care echi	Ferns	Leuc glau	Pell endi		
Sali xmul			Call stag	Lath lini	Sola dulc	Care elat	Aspl tric	Mniu horn	Pell epip		
Samb nigr			Calt palu	Lath prat	Soli virg	Care flac	Athy f-f	Neck comp	Plag aspl		
Sorb auc			Caly sepi	Lemn mino	Sonc aspe	Care laev	Blec spic	Neck crisp	Plag pore		
Tili cord			Card flex	Leon autu	Sonc oler	Care nigr	Dryo aem	Orth affi	Radu comp		
Tili xeur			Card hirs	List ovat	Stac palu	Care pend	Dryo affi	Oxyr hian	Ricc mult	1	
Taxu bacc			Card prat	Lotu corn	Stac sylv	Care pnlt	Dryo cart	Pleu schr	Sacc viti	1 1	
Tsug hete			Cent nigr	Lych fl-c	Stel gram	Care remo	Dryo dila	Plth dent	Scap grac		
Ulmu glab			Cera font	Lyco euro	Stel holo	Care rost	Dryo f-m	Plth undu	Scap nemo		
Ulmu pro			Cham angu	Lysi nemo	Stel medi	Care stri	Osmu rega	Pmni undu	Scap undu	Shoot P	Site species list
	-					1				JIEEL D.	one species list
Vibu opul			Chry opp	Lysi numm	Stel ulig	Care sylv	Phly scolo	Poly comm	Trich tome		

Trees	Low	Herbs	Herbs	Herbs	Sedges	Ferns	Mosses			ŝ
Abie alba	Buxu semp	Circ lute	Lysi vulg	Succ prat	Care vesi	Poly vulg	Poly form		Date: Veg. Comm.	Site ID:
Abie proc	Call vulg	Cirs arve	Lyth sali	Tara agg.	Care viri	Pols seti	Pseu puru		<u> 0 "</u>	ē
Acer pseu	Corn sang	Cirs diss	Mela prat	Teuc scor		Pter aqui	Rhiz punc		i i i i i i i i i i i i i i i i i i i	
Aesc hipp	Cyti scop	Cirs palu	Ment aqua	Tori japo	Grasses		Rhyn ripa		<u>3</u>	
Alnu glut	Eric tetr	Cirs vulg	Meny trif	Trif repe	Agro cani	Mosses	Rhyt lore			
Betu pend	Fall japo	Cono maju	Myos laxa	Trif prat	Agro capi	Ambl serp	Rhyt squa			
Betu pub	Hede heli	Crep palu	Myos scor	Tuss farf	Agro stol	Atri undu	Rhyt trig			
Carp betu	Leyc form	Dact fuch	Oena croc	Urti dioi	Anth odor	Brac riv	Spha capi			
Cast sati	Ligu vulg	Digi purp	Orch masc	Umbe rupe	Arrh elat	Brac rut	Spha cusp			_
Cory avel	Loni peri	Epil hirs	Oxal acet	Vale offi	Brac sylv	Call cord	Spha fimb		Team: Altitude:	Releve:
Crat mono	Myri gale	Epil mont	Pers hydr	Vero becc	Brom ramo	Call cusp	Spha palu			lev
Euon euro	Rhod pont	Epil obsc	Pers macu	Vero cham	Cyno cris	Cinc font	Spha squa		d	e
Fagu sylv	Ribe nigr	Epil palu	Peta frag	Vero mont	Dact glom	Cirr pili	Spha subn			
Frax exce	Ribe rubr	Epil parv	Plan lanc	Vero offi	Desc cesp	Clim den	Tham alop			
Ilex aqui	Rosa arv	Epip hell	Plan majo	Vero serp	Desc flex	Cryp hete	Thui tama		11	
Lari deci	Rosa can	Eupa cann	Pote anse	Vici crac	Fest rubr	Cten moll	Ulot bruc		Soil ID: Aspect:	ß
Lari kaem	Rubu idea	Fili ulma	Pote erect	Vici sepi	Fest gigi	Dicr maju	Ulot crisp		Soil ID:	Grid Ref:
Malu sylv	Rubu frut	Frag vesc	Pote palu	Viol palu	Glyc flui	Dicr scop	Ulot phyl			Re
Pice abie	Symp albu	Gali apar	Pote rept	Viol reic	Holc lana	Eurh stri	Zygo viri			Ť
Pice sitc	Ulex euro	Gali odor	Pote ster	Viol rivi	Holc moll	Fiss adia				
Pinu sylv	Ulex gali	Gali palu	Prim vulg	Viol sp.	Loli pere	Fiss bryo				
Popu nigr	Vacc myrt	Gali saxa	Prune vulg		Meli unif	Fiss taxi	Liverworts	1	<u>і</u> м –	
Popu trem		Gera robe	Ranu acris	Rushes	Moli caer	Font anti	Caly fissa		် စို စို	
Prun aviu	Herbs	Geum urba	Ranu fica	Junc acut	Phal arun	Homa seri	Caly muel		Topography: Slope:	
Prun laur	Aego poda	Glec hede	Ranu flam	Junc arti	Phle prat	Hook luce	Chil poly		rap	
Prun padu	Ajug rept	Hera spon	Ranu repe	Junc bufo	Phra aust	Hylo brevi	Cono coni		h h	
Prun spin	Alis plan	Hyac nons	Rori nast	Junc bulb	Poa annu	Hylo splen	Dipl albi		۲	1+
Pseu menz	Alli pete	Hydr vulg	R. acetosa	Junc cong	Poa triv	Hyoc armo	Frul dila			
Quer xros	Alli urs	Hype andr	Rume cong	Junc effu		Hypn ando	Frul tama			
Quer petr	Anag arve	Hype masc	Rume obtu	Junc infl	Horsetails	Hypn cupr	Leje ulic			
Quer robu	Anem nem	Hype perf	Rume san	Luzu camp	Equi arve	Hypn jutl	Lepi rept		Bare soil	
Rham cath	Ange syl	Hype pulc	Sani euro	Luzu pilo	Equi fluv	Hypn resu	Loph bid		Rocks	-
Sali alba	Anth sylv	Hype tetr	Scro nod	Luzu mult	Equi palu	Isop eleg	Lunu cruc	1	Litter	
Sali auri	Apiu nodi	Hypo radi	Scut gale	Luzu sylv	Equi sylv	Isot alop	Marc mach		Dead wood	
Sali capr	Arct minu	Impa glan	Sene aqua		Equi telm	Isot myos	Metz frut		Surface water	-
Sali cine	Arum macu	Iris pseu	Sene jaco	Sedges		Kind prae	Metz furc	1		
Sali frag	Bell pere	Laps comm	Sile dioi	Care echi	Ferns	Leuc glau	Pell endi	1	Ground layer	
Sali xmul	Call stag	Lath lini	Sola dulc	Care elat	Aspl tric	Mniu horn	Pell epip		Field layer	
Samb nigr	Calt palu	Lath prat	Soli virg	Care flac	Athy f-f	Neck comp	Plag aspl	1	Shrub layer	
Sorb auc	Caly sepi	Lemn mino	Sonc aspe	Care laev	Blec spic	Neck crisp	Plag pore		Canopy	
Tili cord	Card flex	Leon autu	Sonc oler	Care nigr	Dryo aem	Orth affi	Radu comp			
Tili xeur	Card hirs	List ovat	Stac palu	Care pend	Dryo affi	Oxyr hian	Ricc mult		Soil pH 1	
Taxu bacc	Card prat	Lotu corn	Stac sylv	Care polt	Dryo cart	Pleu schr	Sacc viti		Soil pH 2	
Tsug hete	Cent nigr	Lych fl-c	Stel gram	Care remo	Dryo dila	Plth dent	Scap grac		Mean pH	
Ulmu glab	Cera font	Lyco euro	Stel holo	Care rost	Dryo f-m	Plth undu	Scap nemo	+	· · ·	
			<u>i i i i i i i i i i i i i i i i i i i </u>					Sheet C1:	Relevé survey	
Ulmu pro	Cham angu	Lysi nemo	Stel medi	Care stri	Osmu rega	Pmni undu	Scap undu	<u> </u>		
Vibu opul	Chry opp	Lysi numm	Stel ulig	Care sylv	Phly scolo	Poly comm	Trich tome			

Lichen Check List

Site Number: Releve:	Date:	Team:	
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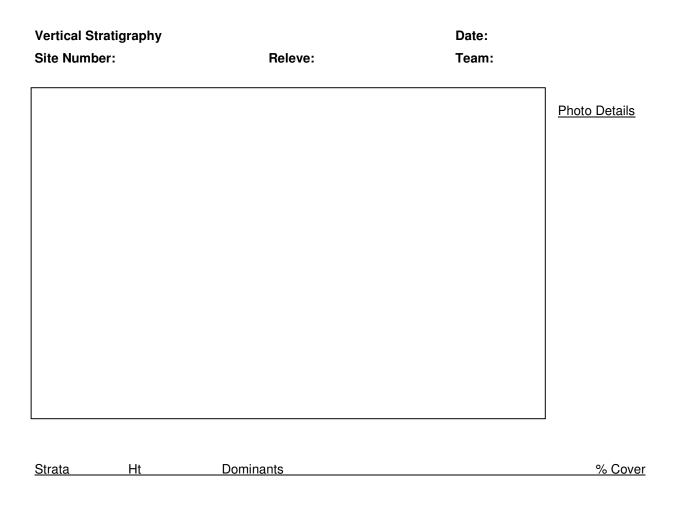
Species	Host spp.	Substrate	Associated spp.	DAFOR	Sample
Arthonia cinnabarina					
Chrysothrix candelaris					
Cladonia coniocraea					
Cladonia chlorophaea					
Degelia spp.*					
Dimerella lutea					
Diploicia canescens					
Enterographa crassa					
Evernia prunastri					
Graphis scripta					
Lecanactis abietina					
Lecanora chlarotera					
Lecidella elaeochroma					
Lepraria incana agg.					
Leptogium spp.*					1
Lobaria spp.*					+
Normandina pulchella					
Pannaria spp.*					+
Parmeliella parvula					
Flavoparmelia caperata					
= (Parmelia caperata)					
Parmotrema perlatum =(Parmelia perlata)					
Parmelia sulcata					
Peltigera horizontalis					
Peltigera praetextdata					
Phaeophysica orbicularis					
Physcia aipolia					
Physcia tenella					
Physconia distorta					
Psoroma hypnorum					
Pyrenula macrospora					
Ramalina farinacea					
Ramalina fastigiata					
Ramalina fraxinea					
Sticta spp.*					
Thelotrema lepadinum					
Usnea subfloridana					1
Xanthoria parietina					1
Other Spp.					
					I
			Sheet 0	C2: Lichen cheo	ck list _
					1

Site Number:	Releve:	Date:	Team:
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Total Plot Size:_____

No.	Species	dbh	CP	Ht	Log L	Stem Q	No.	Species	dbh	СР	Ht.	Log L	Stem Q
									1				
									1				
									ļ				
									ļ				

			FREE					BASAL		
Species	<25cm	26-100cm	101- 200cm	201- 400cm	>400cm	<25cm	26-100cm	101- 200cm	201- 400cm	>400cm
										<u> </u>



Native Woodland Scheme Information

Suitable as a seed source identified?	YES	NO	(please circle)
Suitable for selection as seed stand?	YES	NO	(please circle)

Suitable species (5 most abundant):

Sheet D2: Vertical stratigraphy

Number of sites	Percentage of sites	Species name	Number of sites	Percentage of sites	Species name
1294	98.0%	Rubus fruticosus agg.	691	52.3%	Quercus robur
1275	96.6%	Hedera helix	690	52.3%	Hyacinthoides non-scripta
1218	92.3%	Crataegus monogyna	684	51.8%	Rumex sanguineus
1191	90.2%	Fraxinus excelsior	680	51.5%	Veronica chamaedrys
1186	89.8%	Dryopteris dilatata	678	51.4%	Vicia sepium
1142	86.5%	Thuidium tamariscinum	675	51.1%	Taraxacum agg.
1127	85.4%	llex aquifolium	674	51.1%	Alnus glutinosa
1115	84.5%	Lonicera periclymenum	672	50.9%	Plagiomnium undulatum
1098	83.2%	Geranium robertianum	661	50.1%	Chrysoplenium oppositifolium
1096	83.0%	Kindbergia praelonga	661	50.1%	Mnium hornum
1032	78.2%	Salix cinerea	657	49.8%	Deschampsia cespitosa
971	73.6%	Ranunculus repens	655	49.6%	Frullania dilatata
956	72.4%	Betula pubescens	642	48.6%	Neckera complanata
952	72.1%	Acer pseudoplatanus	634	48.0%	Veronica montana
952	72.1%	Filipendula ulmaria	627	47.5%	Sambucus nigra
945	71.6%	Geum urbanum	626	47.4%	Polytrichastrum formosum
944	71.5%	Urtica dioica	624	47.3%	Galium palustre
938	71.1%	Eurhynchium striatum	620	47.0%	Cardamine flexuosa
927	70.2%	Corylus avellana	615	46.6%	Lophocolea bidentata
919	69.6%	Dryopteris affinis	614	46.5%	Polystichum setiferum
905	68.6%	Fagus sylvatica	612	46.4%	Potentilla sterilis
899	68.1%	Hypnum cupressiforme	611	46.3%	Dactylis glomerata
865	65.5%	Circaea lutetiana	603	45.7%	Galium aparine
863	65.4%	Viola riviniana/reichenbachiana	599	45.4%	Lysimachia nemorum
861	65.2%	Juncus effusus	585	44.3%	Metzgeria furcata
858	65.0%	Pteridium aquilinum	576	43.6%	Dryopteris filix-mas
832	63.0%	lsothecium myosuroides	575	43.6%	Ulex europaeus
807	61.1%	Agrostis stolonifera	574	43.5%	Sanicula europaea
807	61.1%	Prunus spinosa	572	43.3%	Brachythecium rutabulum
806	61.1%	Holcus lanatus	556	42.1%	Ajuga reptans
804	60.9%	Polypodium vulgare	553	41.9%	Arum maculatum
787	59.6%	Oxalis acetosella	535	40.5%	Hypnum andoi
786	59.5%	Athyrium filix-femina	528	40.0%	Heracleum sphondylium
765	58.0%	Thamnobryum alopecurum	526	39.8%	Epilobium montanum
757	57.3%	Carex remota	518	39.2%	Atrichum undulatum
741	56.1%	Blechnum spicant	500	37.9%	Anthoxanthum odoratum
739	56.0%	Carex sylvatica	486	36.8%	Mentha aquatica
734	55.6%	Sorbus aucuparia	482	36.5%	Prunella vulgaris
733	55.5%	Brachypodium sylvaticum	479	36.3%	Cirsium palustre
713	54.0%	Primula vulgaris	464	35.2%	Radula complanata
711	53.9%	Angelica sylvestris	459	34.8%	Molinia caerulea
710	53.8%	Phyllitis scolopendrium	458	34.7%	Luzula sylvatica
693	52.5%	Rhytidiadelphus triquetrus	454	34.4%	Pellia epiphylla

APPENDIX 3: SITES SPECIES FREQUENCY

Number of sites	Percentage of sites	Species name	Number of sites	Percentage of sites	Species name
453	34.3%	Vaccinium myrtillus	289	21.9%	Polytrichum commune
447	33.9%	Quercus petraea	287	21.7%	Frullania tamarisci
441	33.4%	Pinus sylvestris	280	21.2%	Phalaris arundinacea
439	33.3%	Agrostis capillaris	278	21.1%	Carex flacca
433	32.8%	Potentilla erecta	275	20.8%	Viola riviniana
431	32.7%	Digitalis purpurea	274	20.8%	Ranunculus ficaria
427	32.3%	Iris pseudacorus	273	20.7%	Ranunculus flammula
425	32.2%	Stachys sylvatica	256	19.4%	Prunus laurocerasus
423	32.0%	Hypericum androsaemum	255	19.3%	Cardamine pratensis
419	31.7%	Calliergonella cuspidata	252	19.1%	Lythrum salicaria
412	31.2%	Ulota crispa	252	19.1%	Scrophularia nodosa
402	30.5%	Pseudoscleropodium purum	251	19.0%	Caltha palustris
389	29.5%	Viburnum opulus	249	18.9%	Chamerion angustifolium
383	29.0%	Conopodium majus	247	18.7%	Aesculus hippocastanum
379	28.7%	Rosa canina	244	18.5%	Rhytidiadelphus squarrosus
378	28.6%	Dicranum scoparium	234	17.7%	Salix aurita x S. cinerea
378	28.6%	Isothecium alopecuroides	231	17.5%	Anemone nemorosa
376	28.5%	Valeriana officinalis	226	17.1%	Teucrium scorodonia
373	28.3%	Rubus idaeus	225	17.0%	Ulota phyllantha
371	28.1%	Hookeria lucens	224	17.0%	Equisetum arvense
371	28.1%	Hypnum resupinatum	222	16.8%	Malus sylvestris
369	28.0%	Fragaria vesca	220	16.7%	Anthriscus sylvestris
367	27.8%	Stellaria holostea	220	16.7%	Equisetum fluviatile
366	27.7%	Ulmus glabra	220	16.7%	Plagiothecium undulatum
362	27.4%	Glechoma hederacea	211	16.0%	Plantago major
351	26.6%	Hypericum pulchrum	210	15.9%	Plagiochila asplenoides
343	26.0%	Agrostis canina	205	15.5%	Rosa arvensis
339	25.7%	Ulota bruchii	203	15.4%	Taxus baccata
336	25.5%	Rhizomnium punctatum	200	15.2%	Salix aurita
333	25.2%	Salix caprea	199	15.1%	Dryopteris aemula
332	25.2%	Hypnum jutlandicum	199	15.1%	Loeskeobryum brevirostre
330	25.0%	Senecio jacaobaea	193	14.6%	Cirsium vulgare
325	24.6%	Calluna vulgaris	191	14.5%	Oenanthe crocata
323	24.5%	Glyceria fluitans	190	14.4%	Homalathecium sericans
323	24.5%	Succisa pratensis	188	14.2%	Sphagnum palustre
322	24.4%	Euonymus europaeus	186	14.1%	Stellaria uliginosa
321	24.3%	Senecio aquaticus	184	13.9%	Plantago lanceolata
317	24.0%	Ranunculus acris	180	13.6%	Calystegia sepium
316	23.9%	Lapsana communis	174	13.2%	Luzula multiflora
312	23.6%	Picea sitchensis	173	13.1%	Climacium dendroides
312	23.6%	Rumex acetosa	173	13.1%	Epilobium hirsutum
306	23.2%	Poa trivialis	173	13.1%	Viola palustris
301	22.8%	Rhododendron ponticum	170	12.9%	Pseudotaxiphyllum elegans
299	22.7%	Rhytidiadelphus loreus	164	12.4%	Larix decidua
295	22.3%	Arrhenatherum elatius	163	12.3%	Potentilla palustris
291	22.0%	Fissidens taxifolius	161	12.2%	Stellaria media

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Number of sites	Percentage of sites	Species name	Number of sites	Percentage of sites	Species name
158	12.0%	Carex pendula	112	8.5%	Listera ovata
158	12.0%	Veronica serpyllifolia	112	8.5%	Lycopus europaeus
157	11.9%	Abies alba	112	8.5%	Microlejeunea ulicina
155	11.7%	Bellis perennis	111	8.4%	Crocosmia aurea x C. pottsii
153	11.6%	Hylocomium splendens	111	8.4%	Pseudotsuga menziesii
153	11.6%	Rumex obtusifolius	111	8.4%	<i>Rosa</i> sp.
152	11.5%	Trifolium repens	108	8.2%	Lotus corniculatus
149	11.3%	Umbilicus rupestris	108	8.2%	Potentilla reptans
148	11.2%	Carex echinata	107	8.1%	Veronica beccabunga
146	11.1%	Ligustrum vulgare	106	8.0%	Quercus petraea x Q. robur
145	11.0%	Symphoricarpos albus	105	8.0%	Betula pendula
141	10.7%	Arctium minus sens. lat.	105	8.0%	Calliergon cordifolium
140	10.6%	Conocephalum conicum	104	7.9%	Castanea sativa
140	10.6%	Phragmites australis	101	7.7%	Epilobium parviflorum
139	10.5%	Juncus bulbosus	100	7.6%	Ribes rubrum
139	10.5%	Picea abies	99	7.5%	Cynosurus cristatus
138	10.5%	Solanum dulcamara	98	7.4%	Crepis paludosa
138	10.5%	Solidago virgaurea	98	7.4%	Lychnis flos-cuculi
137	10.4%	Epilobium obscurum	97	7.3%	Trifolium pratense
137	10.4%	Festuca rubra	96	7.3%	Asplenium trichomanes
136	10.3%	Plagiochila porelloides	96	7.3%	Calypogeia muelleriana
135	10.2%	Osmunda regalis	96	7.3%	Equisetum telmateia
134	10.2%	Cerastium fontanum	95	7.2%	Erica tetralix
134	10.2%	Dicranum majus	95	7.2%	Luzula pilosa
132	10.0%	Galium saxatile	94	7.1%	Equisetum sylvaticum
132	10.0%	Hypericum tetrapterum	94	7.1%	Lathyrus pratensis
131	9.9%	Carex paniculata	93	7.0%	Metzgeria fruticulosa
131	9.9%	Hypochaeris radicata	92	7.0%	Calypogeia fissa
130	9.8%	Dactylorhiza fuchsii	91	6.9%	Juncus acutiflorus
129	9.8%	Deschampsia flexuosa	90	6.8%	Melampyrum pratense
128	9.7%	Apium nodiflorum	89	6.7%	Dryopteris carthusiana
128	9.7%	Carex nigra	89	6.7%	Myosotis scorpioides
127	9.6%	Prunus avium	88	6.7%	Euphorbia hyberna
127	9.6%	Veronica officinalis	87	6.6%	Menyanthes trifoliata
124	9.4%	Festuca gigantea	86	6.5%	Lysimachia vulgaris
123	9.3%	Allium ursinum	86	6.5%	Saccogyna viticulosa
123	9.3%	Galium odoratum	85	6.4%	Rorippa nasturtium-aquaticun
121	9.2%	Poa annua	83	6.3%	Cirriphyllum piliferum
118	8.9%	Carex sp.	83	6.3%	Epilobium palustre
118	8.9%	Diplophyllum albicans	82	6.2%	Centaurea nigra
117	8.9%	Cirsium arvense	82	6.2%	Lathyrus linifolius
117	8.9%	Holcus mollis	81	6.1%	Neckera pumila
116	8.8%	Dicranella heteromalla	81	6.1%	Oxyrrhynchium hians
116	8.8%	Stachys palustris	80	6.1%	Myrica gale
116	8.8%	Vicia cracca	80	6.1%	Orchis mascula
115	8.7%	Potentilla anserina	78	5.9%	Erica cinerea

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Number of sites	Percentage of sites	Species name	Number of sites	Percentage of sites	Species name
78	5.9%	Eupatorium cannabinum	52	3.9%	Persicaria maculosa
78	5.9%	Salix fragilis	51	3.9%	Fallopia japonica
76	5.8%	Geum rivale	51	3.9%	Ribes uva-crispa
75	5.7%	Carex rostrata	50	3.8%	Fuchsia magellanica
75	5.7%	Fissidens sp.	50	3.8%	Sonchus asper
75	5.7%	Scapania gracilis	50	3.8%	Ulmus procera
73	5.5%	<i>Epilobium</i> sp.	49	3.7%	Fissidens adianthoides
73	5.5%	Melica uniflora	49	3.7%	Lysimachia nummularia
72	5.5%	Bromopsis ramosa	49	3.7%	Scrophularia auriculata
72	5.5%	Callitriche stagnalis	49	3.7%	Sphagnum squarrosum
70	5.3%	Ctenidium molluscum	48	3.6%	Cornus sericea
69	5.2%	Rhamnus cathartica	48	3.6%	Fissidens bryoides
68	5.2%	Tilia platyphyllos x T. cordata	47	3.6%	Carex viridula
66	5.0%	Cryphaea heteromalla	47	3.6%	Torilis japonica
66	5.0%	Populus tremula	46	3.5%	Alliaria petiolata
66	5.0%	Scapania nemorea	46	3.5%	Carex pilulifera
65	4.9%	Carex laevigata	46	3.5%	Cirsium dissectum
65	4.9%	Juncus conglomeratus	46	3.5%	Equisetum palustre
65	4.9%	Scutellaria galericulata	46	3.5%	Juncus articulatus
64	4.8%	Sphagnum subnitens	46	3.5%	Pellia endiviifolia
62	4.7%	Campylopus introflexus	46	3.5%	<i>Poa</i> sp.
62	4.7%	Cotoneaster sp.	45	3.4%	Fontinalis antipyretica
62	4.7%	Leucobryum glaucum	45	3.4%	Pleurozium schreberi
62	4.7%	Salix alba	45	3.4%	Tsuga heterophylla
61	4.6%	Rumex conglomeratus	44	3.3%	Campylopus flexuosus
60	4.5%	Ribes nigrum	44	3.3%	Festuca ovina
60	4.5%	Sphagnum capillifolium	44	3.3%	Sphagnum sp.
59	4.5%	Brachythecium rivulare	43	3.3%	Carex elata
59	4.5%	Plagiothecium succulentum	42	3.2%	Lejeunea patens
59	4.5%	Tussilago farfara	42	3.2%	Plagiochila spinulosa
58	4.4%	Persicaria hydropiper	42	3.2%	Potamogeton polygonifolius
57	4.3%	Lepidozia reptans	41	3.1%	Carex strigosa
56	4.2%	Hydrocotyle vulgaris	41	3.1%	Frullania teneriffae
56	4.2%	Lemna minor	41	3.1%	Neckera crispa
56	4.2%	Sonchus oleraceus	41	3.1%	Typha latifolia
55	4.2%	Epipactis helleborine	40	3.0%	Carex binervis
55	4.2%	Hypericum perforatum	40	3.0%	Leycesteria formosa
54	4.1%	Lolium perenne	40	3.0%	Stellaria graminea
54	4.1%	Saxifraga spathularis	39	3.0%	Carpinus betulus
53	4.0%	Carex vesicaria	39	3.0%	Chiloscyphus pallescens
53	4.0%	Hyocomium armoricum	39	3.0%	Hymenophyllum wilsonii
53	4.0%	Juncus bufonius	39	3.0%	Petasites fragrans
53	4.0%	Larix kaempferi	39	3.0%	Petasites hybridus
53	4.0%	Lotus pedunculatus	39	3.0%	Phleum pratense
52	3.9%	Buxus sempervirens	39	3.0%	Silene dioica
52	3.9%	Juncus inflexus	38	2.9%	Heterocladium heteropterum

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Number of sites	Percentage of sites	Species name	Number of sites	Percentage of sites	Species name
38	2.9%	Sphagnum cuspidatum	23	1.7%	Breutelia chrysocoma
38	2.9%	Trichocolea tomentella	23	1.7%	Campylopus pyriformis
37	2.8%	Cardamine hirsuta	23	1.7%	Rubus saxatilis
37	2.8%	Chamaecyparis lawsoniana	23	1.7%	Tilia cordata
37	2.8%	Plagiothecium denticulatum	22	1.7%	Asplenium adiantum-nigrum
37	2.8%	Prunus padus	22	1.7%	Myosotis secunda
36	2.7%	Alisma plantago-aquatica	21	1.6%	Abies procera
36	2.7%	Fissidens dubius	21	1.6%	Aulacomnium palustre
36	2.7%	Hymenophyllum tunbridgense	21	1.6%	Carex panicea
36	2.7%	Lejeunea lamacerina	21	1.6%	Cephalozia bicuspidata
35	2.7%	Dicranoweisia cirrata	21	1.6%	Epilobium brunnescens
35	2.7%	Viola reichenbachiana	21	1.6%	Myosotis laxa
34	2.6%	Impatiens glandulifera	21	1.6%	Ranunculus auricomus
33	2.5%	Orthotrichum affine	20	1.5%	Metzgeria temperata
33	2.5%	Sparganium erectum	20	1.5%	Plagiomnium rostratum
32	2.4%	Carex riparia	19	1.4%	Amblystegium serpens
32	2.4%	Luzula campestris	19	1.4%	Aneura pinguis
32	2.4%	Zygodon viridissimus	19	1.4%	Bazzania trilobata
31	2.3%	Cytisus scoparius	19	1.4%	Callitriche sp.
31	2.3%	Hypericum maculatum	19	1.4%	Chiloscyphus polyanthos
31	2.3%	Potentilla anglica	19	1.4%	Homalia trichomanoides
31	2.3%	<i>Rumex</i> sp.	19	1.4%	Leskea polycarpa
30	2.3%	Aegopodium podagraria	19	1.4%	Orthotrichum sp.
30	2.3%	<i>Quercus</i> sp.	19	1.4%	Poa pratensis
29	2.2%	Alopecurus pratensis	19	1.4%	Polystichum aculeatum
29	2.2%	Clematis vitalba	19	1.4%	Populus nigra x P. deltoides
29	2.2%	<i>Pellia</i> sp.	19	1.4%	Sanionia uncinata
29	2.2%	Poa nemoralis	19	1.4%	Sonchus arvensis
29	2.2%	Polypodium interjectum	18	1.4%	<i>Myosotis</i> sp.
29	2.2%	Rumex acetosella	18	1.4%	Sphagnum fimbriatum
28	2.1%	Dactylorhiza sp.	17	1.3%	<i>Bambusa</i> sp.
28	2.1%	Salix viminalis	17	1.3%	Berula erecta
26	2.0%	Acer campestre	17	1.3%	Cornus sanguinea
26	2.0%	<i>Scapania</i> sp.	17	1.3%	Lophocolea heterophylla
25	1.9%	Carex acuta	17	1.3%	Ophioglossum vulgatum
25	1.9%	Sorbus aria	17	1.3%	Oreopteris limbosperma
25	1.9%	Sphagnum quinqefarium	17	1.3%	Orobanche hederae
24	1.8%	Achillea millefolium	17	1.3%	Quercus cerris
24	1.8%	Eriophorum vaginatum	17	1.3%	Sesleria caerulea
24	1.8%	Leontodon autumnalis	17	1.3%	Sorbus hibernica
24	1.8%	Ranunculus lingua	17	1.3%	Sphagnum denticulatum
24	1.8%	Rosa pimpinellifolia	16	1.2%	Aquilegia vulgaris
24	1.8%	Thalictrum flavum	16	1.2%	Carex pulicaris
24	1.8%	Ulex gallii	16	1.2%	Milium effusum
23	1.7%	Acer platanoides	16	1.2%	Plagiomnium affine
23	1.7%	Alnus incana	16	1.2%	Pogonatum aloides

Number of sites	Percentage of sites	Species name	Number of sites	Percentage of sites	Species name
15	1.1%	Briza media	12	0.9%	Polygala serpyllifolia
15	1.1%	Cardamine sp.	12	0.9%	Rhynchostegium confertum
15	1.1%	Carex acutiformis	12	0.9%	Salix pentandra
15	1.1%	Chamaecyparis nootkatensis x	12	0.9%	Scapania undulata
10	1.170	Cupressus macrocarpa	12	0.9%	Schoenoplectus lacustris
15	1.1%	Epilobium ciliatum	12	0.9%	Ulmus x hollandica
15	1.1%	Frangula alnus	11	0.8%	Calliergon giganteum
15	1.1%	Moehringia trinervia	11	0.8%	Cinclidotus fontinaloides
15	1.1%	Odontites vernus	11	0.8%	Daboecia cantabrica
15	1.1%	<i>Plagiothecium</i> sp.	11	0.8%	Glyceria maxima
15	1.1%	Plagiomnium elatum	11	0.8%	<i>Hypnum</i> sp.
15	1.1%	Polypodium cambricum	11	0.8%	Nuphar lutea
15	1.1%	Polytrichum juniperinum	11	0.8%	Populus nigra ssp. betulifolia
15	1.1%	Primula veris	11	0.8%	Pulicaria dysenterica
15	1.1%	Riccadia multifida	11	0.8%	Saxifraga hirsuta
15	1.1%	Schoenus nigricans	10	0.8%	Achillea ptarmica
15	1.1%	Sphagnum inundatum	10	0.8%	Agostis vinealis
14	1.1%	Abies sp.	10	0.8%	Carex divulsa
14	1.1%	Anagallis arvensis	10	0.8%	Galium verum
14	1.1%	Calypogeia arguta	10	0.8%	<i>Juncus</i> sp.
14	1.1%	Carex hirta	10	0.8%	Narthecium ossifragum
14	1.1%	Galium uliginosum	10	0.8%	Orthotrichum lyelli
14	1.1%	Mycelis muralis	10	0.8%	Plagiomnium cuspidatum
14	1.1%	Neottia nidus-avis	10	0.8%	Potamogeton natans
14	1.1%	<i>Picea</i> sp.	10	0.8%	Rumex hydrolapathum
14	1.1%	Pinus contorta	9	0.7%	Alchemilla filicaulis
14	1.1%	Populus alba	9	0.7%	Allium triquetrum
14	1.1%	Sphagnum fallax	9	0.7%	<i>Bryum</i> sp.
13	1.0%	Agrostis gigantea	9	0.7%	Buddleja davidii
13	1.0%	Brachythecium velutinum	9	0.7%	Carex curta
13	1.0%	<i>Festuca</i> sp.	9	0.7%	Cladium mariscus
13	1.0%	Heracleum mantegazzianum	9	0.7%	Eleocharis palustris
13	1.0%	Oxyrrhynchium speciosum	9	0.7%	Equisetum variegatum
13	1.0%	Platyhypnidium riparioides	9	0.7%	Euphrasia officinalis agg.
13	1.0%	<i>Populus</i> sp.	9	0.7%	Festuca vivipara
13	1.0%	Quercus rubra	9	0.7%	Frullania sp.
13	1.0%	Thuja plicata	9	0.7%	Gnaphalium uliginosum
13	1.0%	Veronica hederifolia	9	0.7%	Hypericum sp.
12	0.9%	Cupressus sp.	9	0.7%	Hypnum lacunosum
12	0.9%	Dactylorhiza maculata	9	0.7%	Juncus tenuis
12	0.9%	Elytrigia repens	9	0.7%	Lonicera nitida
12	0.9%	<i>Larix</i> sp.	9	0.7%	Matricaria discoidea
12	0.9%	Luzula sp.	9	0.7%	<i>Pinus</i> sp.
12	0.9%	<i>Malus</i> sp.	9	0.7%	Plagiothecium nemorale
12	0.9%	Mercurialis perennis	9	0.7%	Polygonum aviculare
12	0.9%	Plagiochila punctata	9	0.7%	Prunus sp.

Number of sites	es of sites		Number of sites	Percentage of sites	Species name				
9	0.7%	Rubus spectabilis	6	0.5%	Alchemilla vulgaris agg.				
9	0.7%	Rumex crispus	6	0.5%	Amblystegium varium				
9	0.7%	Sagina procumbens	6	0.5%	Andromeda polifolia				
9	0.7%	Salix triandra	6	0.5%	Arbutus unedo				
9	0.7%	<i>Salix</i> sp.	6	0.5%	Campylopus brevipilus				
9	0.7%	Sphagnum recurvum agg.	6	0.5%	Carex disticha				
9	0.7%	Symphytum officinale	6	0.5%	Carex elongata				
9	0.7%	Tilia platyphyllos	6	0.5%	Centaurium erythraea				
8	0.6%	Abies grandis	6	0.5%	Ceterach officinarum				
8	0.6%	Anagallis tenella	6	0.5%	Cicuta virosa				
8	0.6%	Bromus racemosus	6	0.5%	Drepanolejeunea hamatifolia				
8	0.6%	Elymus caninus	6	0.5%	Geranium sanguineum				
8	0.6%	Eriophorum angustifolium	6	0.5%	Glyceria declinata				
8	0.6%	<i>Eucalyptus</i> sp.	6	0.5%	Gunnera tinctoria				
8	0.6%	Galeopsis tetrahit	6	0.5%	Huperzia selago				
8	0.6%	Leptodictyium riparium	6	0.5%	Juncus subnodulosus				
8	0.6%	Leucanthemum vulgare	6	0.5%	Juniperus communis				
8	0.6%	Lunularia cruciata	6	0.5%	Marchesinia mackaii				
8	0.6%	Prunus cerasus	6	0.5%	Marsupella emarginata				
8	0.6%	Quercus ilex	6	0.5%	Mentha sp.				
8	0.6%	Racomitrium sp.	6	0.5%	Oenanthe aquatica				
8	0.6%	<i>Trifolium</i> sp.	6	0.5%	Potamogeton sp.				
8	0.6%	<i>Ulota</i> sp.	6	0.5%	Ranunculus sp.				
8	0.6%	Veronica scutellata	6	0.5%	Rorippa palustris				
7	0.5%	Araucaria araucana	6	0.5%	Salix purpurea				
7	0.5%	Campanula rotundifolia	6	0.5%	Samolus valerandi				
7	0.5%	<i>Campylopus</i> sp.	6	0.5%	Vicia sativa				
7	0.5%	Convolvulus arvensis	6	0.5%	Viola odorata				
7	0.5%	Daucus carota	5	0.4%	Abies nordmanniana				
7	0.5%	Equisetum fluviatile x E. arvense	5	0.4%	Bromus sp.				
7	0.5%	Equisetum hyemale x E. variegatum	5	0.4%	Bryoerythrophyllum recurvirostrum				
7	0.5%	Festuca altissima	5	0.4%	Campanula trachelium				
7	0.5%	Fissidens celticus	5	0.4%	Carex ovalis				
7	0.5%	Hieracium agg.	5	0.4%	Carex pseudocyperus				
7	0.5%	Lemna trisulca	5	0.4%	<i>Cephalozia</i> sp.				
7	0.5%	Medicago lupulina	5	0.4%	Danthonia decumbens				
7	0.5%	Myosotis arvensis	5	0.4%	Epilobium tetragonum				
7	0.5%	Plagiomnium sp.	5	0.4%	Festuca arundinacea				
7	0.5%	Populus alba x P. tremula	5	0.4%	Hippuris vulgaris				
7	0.5%	Prunus domestica	5	0.4%	Homalathecium lutescens				
7	0.5%	Rhinanthus minor	5	0.4%	Hypericum humifusum				
7	0.5%	Rorippa amphibia	5	0.4%	Jungermannia sp.				
7	0.5%	Rubus caesius	5	0.4%	Lathyrus palustris				
7	0.5%	Tortella tortuosa	5	0.4%	Laurus nobilis				
7	0.5%	Zygodon conoideus	5	0.4%	Palustriella commutata				

Number of sites			Number of sites	Percentage of sites	Species name			
5	0.4%	Persicaria sp.	4	0.3%	Pedicularis sylvatica			
5	0.4%	Prunus lusitanica	4	0.3%	Phegopteris connectilis			
5	0.4%	Racomitrium aciculare	4	0.3%	Pinguicula sp.			
5	0.4%	Racomitrium heterostichum	4	0.3%	Plagiochila sp.			
5	0.4%	<i>Riccardia</i> sp.	4	0.3%	Plagiomnium ellipticum			
5	0.4%	<i>Rorippa</i> sp.	4	0.3%	Poa palustris			
5	0.4%	Rubia peregrina	4	0.3%	Pogonatum urnigerum			
5	0.4%	Saxifraga hirsuta x S. spathularis	4	0.3%	Porella platyphylla			
5	0.4%	Scutellaria minor	4	0.3%	Rhododendron sp.			
5	0.4%	Sedum anglicum	4	0.3%	<i>Ribes</i> sp.			
5	0.4%	Senecio vulgaris	4	0.3%	Riccardia chamedryfolia			
5	0.4%	Sparganium sp.	4	0.3%	Riccardia palmata			
5	0.4%	Sphagnum papillosum	4	0.3%	<i>Tilia</i> sp.			
5	0.4%	Trichophorum cespitosum	4	0.3%	Trichostomum brachydontium			
5	0.4%	Ulmus minor	4	0.3%	Trifolium dubium			
5	0.4%	Vaccinium oxycoccus	4	0.3%	<i>Ulmus</i> sp.			
4	0.3%	Alchemilla xanthochlora	4	0.3%	Veronica persica			
4	0.3%	Alopecurus geniculatus	4	0.3%	Vinca minor			
4	0.3%	Anomodon viticulosus	3	0.2%	Acer sp.			
4	0.3%	Asplenium ruta-muraria	3	0.2%	Agrimonia eupatoria			
4	0.3%	Bryum capillare	3	0.2%	Agrimonia procera			
4	0.3%	Bryum pseudotriqetrum	3	0.2%	Agrostis sp.			
4	0.3%	Carex diandra	3	0.2%	Apium inundatum			
4	0.3%	Carex pallescens	3	0.2%	Atriplex prostrata			
4	0.3%	Cephalanthera longifolia	3	0.2%	Callitriche hamulata			
4	0.3%	Chenopodium album agg.	3	0.2%	Calypogeia neesiana			
4	0.3%	<i>Cirsium</i> sp.	3	0.2%	Capsella bursa-pastoris			
4	0.3%	Elodea canadensis	3	0.2%	Carex otrubae			
4	0.3%	<i>Epipactis</i> sp.	3	0.2%	Cedrus sp.			
4	0.3%	Equisetum hyemale	3	0.2%	Cephalozia lunulifolia			
4	0.3%	<i>Equisetum</i> sp.	3	0.2%	Cephaloziella sp.			
4	0.3%	Festuca pratensis	3	0.2%	Cerastium sp.			
4	0.3%	<i>Glyceria</i> sp.	3	0.2%	Conium maculatum			
4	0.3%	Hypericum calycinum	3	0.2%	Cornus sp.			
4	0.3%	Isolepis setacea	3	0.2%	Dactylorhiza majalis			
4	0.3%	Jasione montana	3	0.2%	Dicranum bonjeanii			
4	0.3%	Larix decidua x L. kaempferi	3	0.2%	Didymodon sp.			
4	0.3%	Leucojum aestivum	3	0.2%	Drosera rotundifolia			
4	0.3%	Lophocolea fragrans	3	0.2%	Eleocharis uniglumis			
4	0.3%	Luma apiculata	3	0.2%	Euphorbia sp.			
4	0.3%	Lysichiton americanus	3	0.2%	Gaultheria mucronata			
4	0.3%	Malus domesticus	3	0.2%	Geranium dissectum			
4	0.3%	Mentha arvensis	3	0.2%	Geranium lucidum			
4	0.3%	Mentha arvensis x M. aquatica	3	0.2%	Helictotrichon pubescens			
4	0.3%	Nardus stricta	3	0.2%	Hesperis matronalis			
4	0.3%	Orobanche minor	3	0.2%	, Hordeum vulgare			

Number of sites	es of sites		Number of sites	Percentage of sites	Species name				
3	0.2%	Isolepis cernua	2	0.2%	Berberis darwinii				
3	0.2%	<i>lsothecium</i> sp.	2	0.2%	Berberis vulgaris				
3	0.2%	Juglans regia	2	0.2%	Betula pendula x B. pubescens				
3	0.2%	Lamiastrum galeobdolon ssp.	2	0.2%	Blackstonia perfoliata				
0	0.278	montanum	2	0.2%	Brachythecium glareosum				
3	0.2%	Lathraea squamaria	2	0.2%	Brachythecium sp.				
3	0.2%	Ligustrum ovalifolium	2	0.2%	Brachythecium mildeanum				
3	0.2%	Linum catharticum	2	0.2%	Brachypodium pinnatum				
3	0.2%	Marchantia polymorpha	2	0.2%	Brachythecium populeum				
3	0.2%	Narcissus pseudonarcissus	2	0.2%	Brassica napus				
3	0.2%	Nowellia curvifolia	2	0.2%	Brassica rapa				
3	0.2%	Persicaria wallichii	2	0.2%	Butomus umbellatus				
3	0.2%	Pinguicula grandiflora	2	0.2%	Callitriche hermaphrodotica				
3	0.2%	Pinus radiata	2	0.2%	Callitriche platycarpa				
3	0.2%	<i>Platanus</i> sp.	2	0.2%	<i>Calypogeia</i> sp.				
3	0.2%	Polygala vulgaris	2	0.2%	Calypogeia sphagnicola				
3	0.2%	Polygonatum multiflorum	2	0.2%	Campylium protensum				
3	0.2%	<i>Potentilla</i> sp.	2	0.2%	Campylium stellatum				
3	0.2%	Racomitrium affine	2	0.2%	Cardamine amara				
3	0.2%	Ranunculus penicillatus	2	0.2%	Carex lasiocarpa				
3	0.2%	Rhodobryum roseum	2	0.2%	Carex recta				
3	0.2%	Rhynchostegiella pumila	2	0.2%	Ceratodon purpureus				
3	0.2%	Rosa rubiginosa	2	0.2%	Chamaemelum nobile				
3	0.2%	Scapania irrigua	2	0.2%	Chiloscyphus sp.				
3	0.2%	Scapania umbrosa	2	0.2%	Cochlearia anglica				
3	0.2%	Selaginella kraussiana	2	0.2%	Cochlearia officinalis agg.				
3	0.2%	Sisymbrium officinale	2	0.2%	Crepis biennis				
3	0.2%	<i>Sonchus</i> sp.	2	0.2%	Crepis capillaris				
3	0.2%	Sorbus devoniensis	2	0.2%	Cymbalaria muralis				
3	0.2%	Sphagnum angustifolium	2	0.2%	Dichodontium pellucidum				
3	0.2%	Sphagnum subsecundum	2	0.2%	Dicranum sp.				
3	0.2%	Stellaria palustris	2	0.2%	Didymodon fallax				
3	0.2%	Tellima grandiflora	2	0.2%	Dipsacus fullonum				
3	0.2%	Tetraphis pellucida	2	0.2%	Eleocharis sp.				
3	0.2%	Thalictrum minus	2	0.2%	Empetrum nigrum				
3	0.2%	<i>Tortula</i> sp.	2	0.2%	Eriophorum sp.				
3	0.2%	Trichomanes speciosum	2	0.2%	Escallonia sp.				
3	0.2%	Urtica urens	2	0.2%	Escallonia macrantha				
2	0.2%	Aethusa cynapium	2	0.2%	Fissidens viridulus				
2	0.2%	Aira caryophyllea	2	0.2%	Fumaria officinalis				
2	0.2%	Amphidium mougeotti	2	0.2%	Galium sp.				
2	0.2%	<i>Aquilegia</i> sp.	2	0.2%	Gaultheria sp.				
2	0.2%	Armeria maritima	2	0.2%	Glyceria notata				
2	0.2%	Asperula cynanchica	2	0.2%	Griselinia littoralis				
2	0.2%	Baldellia ranunculoides	2	0.2%	Gymnostomum aeruginosum				
2	0.2%	Barbula convoluta	2	0.2%	Gymnadenia conopsea				

Number of sites	Percentage of sites	Species name	Number of sites	Percentage of sites	Species name
2	0.2%	Heterocladium flaccidum	2	0.2%	Saxifraga spathularis x S.
2	0.2%	Hydrocharis morsus-ranae	-	0.270	umbrosa
2	0.2%	Hymenophyllum sp.	2	0.2%	Sedum album
2	0.2%	Hypericum elodes	2	0.2%	Senecio sp.
2	0.2%	Hypericum hirsutum	2	0.2%	<i>Sequoia</i> sp.
2	0.2%	Jubula hutchinsiae	2	0.2%	Sequoia sempervirens
2	0.2%	Jungermannia gracillima	2	0.2%	Smyrnium olusatrum
2	0.2%	Laburnum sp.	2	0.2%	Sphagnum girgensohnii
2	0.2%	Lathyrus sp.	2	0.2%	Thuja occidentalis
2	0.2%	Lejeunea cavifolia	2	0.2%	Thymus polytrichus
2	0.2%	Leontodon sp.	2	0.2%	Tripleurospermum maritimum
2	0.2%	Lepidozia cupressina	2	0.2%	Veronica sp.
2	0.2%	Listera cordata	2	0.2%	<i>Vicia</i> sp.
2	0.2%	Lithospermum officinale	1	0.1%	Acaena novae-zelandiae
2	0.2%	Littorella uniflora	1	0.1%	Aira praecox
2	0.2%	Lolium sp.	1	0.1%	Alchemilla sp.
2	0.2%	Lysimachia punctata	1	0.1%	Alchemilla glabra
2	0.2%	Narcissus sp.	1	0.1%	Allium sp.
2	0.2%	Oenanthe fluviatilis	1	0.1%	Alnus cordata
2	0.2%	Origanum vulgare	1	0.1%	Anisantha sterilis
2	0.2%	Orthotrichum anomalum	1	0.1%	Antennaria dioica
2	0.2%	Orthotrichum rupestre	1	0.1%	Aphanolejeunea microscopica
2	0.2%	Parnassia palustris	1	0.1%	Arctium lappa
2	0.2%	Pedicularis palustris	1	0.1%	Asplenium sp.
2	0.2%	Persicaria campanulata	1	0.1%	Aucuba japonica
2	0.2%	Petasites sp.	1	0.1%	Barbilophozia sp.
2	0.2%	Phleum bertolonii	1	0.1%	<i>Barbula</i> sp.
2	0.2%	Pilosella officinarum	1	0.1%	Barbula unguiculata
2	0.2%	Pimpinella saxifraga	1	0.1%	Barbarea vulgaris
2	0.2%	Plagiochila exigua	1	0.1%	<i>Berberis</i> sp.
2	0.2%	Platanthera sp.	1	0.1%	Bidens cernua
2	0.2%	Platanthera chlorantha	1	0.1%	Blindia acuta
2	0.2%	Polystichum aculeatum x P.	1	0.1%	Brachythecium albicans
-	0.270	setiferum	1	0.1%	Brachythecium plumosum
2	0.2%	Polytrichum strictum	1	0.1%	Bromus hordeaceus
2	0.2%	Polytrichum sp.	1	0.1%	Callitriche brutia
2	0.2%	Populus nigra var 'Italica'	1	0.1%	Calyptrochaeta apiculata
2	0.2%	Porella arboris-vitae	1	0.1%	Campyliadelphus elodes
2	0.2%	Primula vulgaris x P. veris	1	0.1%	Campanula latifolia
2	0.2%	Racomitrium aquaticum	1	0.1%	Carex aquatilis
2	0.2%	Racomitrium lanuginosum	1	0.1%	Carex caryophyllea
2	0.2%	Ranunculus omiophyllus	1	0.1%	Carex dioica
2	0.2%	Rhynchospora alba	1	0.1%	Carex hostiana
2	0.2%	Sagina nodosa	1	0.1%	Carex limosa
2	0.2%	Salix viminalis x S. caprea	1	0.1%	Carex spicata
			1	0.1%	Carlina vulgaris

Number of sites	of sites		Number of sites	Percentage of sites	Species name				
1	0.1%	Catabrosa aquatica	1	0.1%	Hyacinthoides non-scripta x H				
1	0.1%	Cedrus atlantica	•	01170	hispanica				
1	0.1%	Cedrus deodara	1	0.1%	<i>Hydrangea</i> sp.				
1	0.1%	Cephalozia connivens	1	0.1%	Hygrohypnum ochraceum				
1	0.1%	Cephalozia leucantha	1	0.1%	Hygroamblystegium tenax				
1	0.1%	Chelidonium majus	1	0.1%	llex aquifolium x I. perado				
1	0.1%	Chenopodium bonus-henricus	1	0.1%	Impatiens parviflora				
1	0.1%	Chenopodium sp.	1	0.1%	Impatiens sp.				
1	0.1%	Chrysanthemum segetum	1	0.1%	Juncus squarrosus				
1	0.1%	Claytonia sibirica	1	0.1%	Jungermannia atrovirens				
1	0.1%	<i>Clematis</i> sp.	1	0.1%	Knautia arvensis				
1	0.1%	Clinopodium ascendens	1	0.1%	Kurzia pauciflora				
1	0.1%	Coronopus didymus	1	0.1%	Laburnum anagyroides				
1	0.1%	Coronopus squamatus	1	0.1%	Lactuca serriola				
1	0.1%	Cortaderia selloana	1	0.1%	Lamium album				
1	0.1%	Corylus maxima	1	0.1%	Lamiastrum galeobdolon ssp.				
1	0.1%	Cratoneuron filicinum	I	0.176	argentatum				
1	0.1%	Cupressus macrocarpa	1	0.1%	Lamium purpureum				
1	0.1%	<i>Cytisus</i> sp.	1	0.1%	<i>Lemna</i> sp.				
1	0.1%	Dicranella sp.	1	0.1%	Lemna gibba				
1	0.1%	Dicranella varia	1	0.1%	Leontodon hispidus				
1	0.1%	Didymodon insulanus	1	0.1%	Lepidozia pearsonii				
1	0.1%	Didymodon sinuosus	1	0.1%	Leucanthemum sp.				
1	0.1%	Doronicum pardalianches	1	0.1%	<i>Ligustrum</i> sp.				
1	0.1%	Drepanocladus aduncus	1	0.1%	Lophocolea sp.				
1	0.1%	Dryopteris sp.	1	0.1%	Lophozia ventricosa				
1	0.1%	Dumortiera hirsuta	1	0.1%	Malva moschata				
1	0.1%	Eleodea sp.	1	0.1%	Meconopsis cambrica				
1	0.1%	Elymus sp.	1	0.1%	<i>Metzgeria</i> sp.				
1	0.1%	Elytrigia juncea	1	0.1%	Mimulus guttatus				
1	0.1%	Filago vulgaris	1	0.1%	Mimulus moschatus				
1	0.1%	Fissidens incurvus	1	0.1%	Mnium marginatum				
1	0.1%	Fissidens polyphyllus	1	0.1%	Montia fontana				
1	0.1%	Fontinalis squamosa	1	0.1%	Mylia taylori				
1	0.1%	Fumaria sp.	1	0.1%	Myriophyllum alterniflorum				
1	0.1%	Galeopsis sp.	1	0.1%	Myriophyllum sp.				
1	0.1%	Gaultheria shallon	1	0.1%	Myriophyllum spicatum				
1	0.1%	Geranium columbinum	1	0.1%	Neckera sp.				
1	0.1%	Grimmia trichophylla	1	0.1%	, Odontoschisma sphagni				
1	0.1%	Harpalejeunea molleri	1	0.1%	Orchis sp.				
1	0.1%	Helleborus viridis	1	0.1%	Orobanche sp.				
1	0.1%	Holodiscus discolor	1	0.1%	Orthotrichum pulchellum				
1	0.1%	Hordeum sp.	1	0.1%	Pellia neesiana				
1	0.1%	Hordeum murinum	1	0.1%	Pentaglottis sempervirens				
1	0.1%	Hottonia palustris	1	0.1%	Persicaria amphibia				
1	0.1%	Hyacinthoides hispanica	1	0.1%	Persicaria bistorta				

Number of sites	Percentage of sites	Species name	Number of sites	Percentage of sites	Species name
1	0.1%	Philadelphus sp.	1	0.1%	Senecio erucifolius
1	0.1%	Philadelphus coronarius	1	0.1%	Senecio squalidus
1	0.1%	Philonotis fontana	1	0.1%	Sequoiadendron giganteum
1	0.1%	Phleum sp.	1	0.1%	Silene vulgaris
1	0.1%	Phyllostachys sp.	1	0.1%	Sisyrinchium bermudiana
1	0.1%	Physcomitrium pyriforme	1	0.1%	Sium latifolium
1	0.1%	Pinguicula lusitanica	1	0.1%	Solanum crispum
1	0.1%	Pinguicula vulgaris	1	0.1%	Solanum nigrum
1	0.1%	Pinus nigra	1	0.1%	Sorbus intermedia
1	0.1%	Pinus pinaster	1	0.1%	Sorbus sp.
1	0.1%	Pinus wallichiana	1	0.1%	Sparganium natans
1	0.1%	Pittosporum sp.	1	0.1%	Sphagnum compactum
1	0.1%	Plantago media	1	0.1%	Sphagnum contortum
1	0.1%	Plantago sp.	1	0.1%	Sphagnum magellanicum
1	0.1%	Pleuridium acuminatum	1	0.1%	Sphagnum pulchrum
1	0.1%	Poa compressa	1	0.1%	Sphagnum tenella
1	0.1%	Polygonatum sp.	1	0.1%	Spiraea douglasii
1	0.1%	Polygonum sp.	1	0.1%	Stachys arvensis
1	0.1%	Polytrichum piliferum	1	0.1%	Stachys officinalis
1	0.1%	Polypodium sp.	1	0.1%	Stachys sylvatica x S. palustris
1	0.1%	Porella cordaena	1	0.1%	Straminergon stramineum
1	0.1%	Potentilla x mixta	1	0.1%	Syntrichia intermedia
1	0.1%	Prunus mahaleb	1	0.1%	Syntrichia laevipila
1	0.1%	Prunus sargentii	1	0.1%	Taxiphyllum wissgrillii
1	0.1%	Pseudephemerum nitidum	1	0.1%	Thelypteris palustris
1	0.1%	Ptilium crista-castrensis	1	0.1%	Tortula muralis
1	0.1%	Pyrola minor	1	0.1%	Triglochin palustre
1	0.1%	Pyrola rotundifolia	1	0.1%	Triticum sp.
1	0.1%	Quercus suber	1	0.1%	<i>Tsuga</i> sp.
1	0.1%	Racomitrium ericoides	1	0.1%	Vaccinium vitis-idaea
1	0.1%	Ranunculus hederaceus	1	0.1%	Valeriana dioica
1	0.1%	Ranunculus sceleratus	1	0.1%	Verbena officinalis
1	0.1%	Rhynchostegiella tenella	1	0.1%	Verbascum thapsus
1	0.1%	Rhytidiadelphus sp.	1	0.1%	Veronica anagallis-aquatica
1	0.1%	Riccardia latifrons	1	0.1%	Viburnum sp.
1	0.1%	Robinia pseudoacacia	1	0.1%	<i>Vinca</i> sp.
1	0.1%	Rosa arvensis x R. canina	1	0.1%	Vinca major
1	0.1%	Rubus sp.	1	0.1%	Viola hirta
1	0.1%	<i>Sagina</i> sp.	1	0.1%	Vulpia bromoides
1	0.1%	Salix cinerea x S. caprea	1	0.1%	Warnstorfia fluitans
1	0.1%	Scapania aspera	1	0.1%	Weissia controversa
1	0.1%	Schistidium apocarpum	1	0.1%	Zygodon rupestris
1	0.1%	Scrophularia umbrosa	1	0.1%	Zygodon stirtonii

Appendix 4 shows the conservation score for each of the 1,320 sites included in the dataset. Data were not available in all assessment categories for some sites: an 'x' is used to indicate these missing values. A column in the appendix table indicates how many data values are missing for a particular site. Where sites have been incorporated from previous studies, as many as 9 of the 15 assessment categories are missing data; for sites missing data for at least 8 assessment categories, no conservation score was calculated (N/A on table). For sites that had fewer than 8 missing assessment categories, the maximum number of available points was adjusted to compensate for the missing data.

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			Vascu		ness	6					Woodlar 18405	wpes	habitate		Hanny Values	ad W	5 ⁰				
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Site No.	Woodland Name	County	•	•	_	-		•	•	Ū	-	-	-	•	•	-	•				
1	Ballynabarny Wood	Wexford	3	1	2	0	3	1	3	3	1	0	1	1	1	1	0	21	0	33	63.6
2	Clone Fox Covert	Wexford	1	1	2	1	3	1	2	1	1	0	0	1	1	0	0	15	0	33	45.5
3	Courtown Dunes/Glen	Wexford	4	1	0	2	3	1	5	2	1	1	1	1	1	0	0	23	0	33	69.7
4	Killoughrum Forest	Wexford	4	2	2	0	3	2	4	3	1	0	1	1	1	2	0	26	0	33	78.8
5	Oaklands	Wexford	4	1	2	0	3	2	4	0	1	0	1	0	1	0	0	19	0	33	57.6
7	Camolin	Wexford	3	1	1	1	2	0	4	2	1	0	1	0	1	1	0	18	0	33	54.5
8	Baggot's Wood	Carlow	1	1	1	1	2	1	2	1	1	0	1	1	1	1	0	15	0	33	45.5
9	Bahana	Carlow	2	1	1	0	2	0	4	1	1	0	1	1	1	0	0	15	0	33	45.5
10	Clogheristick Wood	Carlow	3	1	2	2	2	0	3	1	1	0	1	0	1	1	0	18	0	33	54.5
12	Oakpark	Carlow	2	1	0	1	3	0	4	1	1	1	1	1	1	0	0	17	0	33	51.5
14	Drummond Wood	Carlow	3	1	2	0	1	1	3	1	1	1	1	0	1	1	0	17	0	33	51.5
15	Borris	Carlow	4	1	2	2	3	1	5	3	1	0	1	1	1	1	0	26	0	33	78.8
17	Thomastown	Kilkenny	2	2	2	0	3	2	2	3	1	0	1	0	1	0	0	19	0	33	57.6
18	Ballykeefe Wood	Kilkenny	4	1	2	0	3	0	5	1	1	0	0	1	1	0	0	19	0	33	57.6
19	Ballyhighland	Wexford	2	1	1	1	0	0	4	0	1	0	0	1	1	0	0	12	0	33	36.4
20	Brownstown Wood	Kilkenny	2	2	0	1	3	0	4	1	1	1	1	1	1	2	0	20	0	33	60.6
22	Fiddown	Kilkenny	1	1	2	1	0	0	4	1	0	0	1	1	1	1	0	14	0	33	42.4
26	Carrickduff Wood	Carlow	3	1	0	2	1	1	4	0	1	1	1	1	1	1	0	18	0	33	54.5
27	Dovegrove Callows	Offaly	2	1	2	0	3	2	3	1	0	1	1	1	1	0	0	18	0	33	54.5
28	Clonfinlough Esker	Offaly	2	1	2	0	3	0	1	1	1	1	0	1	1	0	0	14	0	33	42.4
30	Woodville	Offaly	3	1	1	1	1	1	5	1	1	0	0	0	1	0	0	16	0	33	48.5
31	Cloghan Demesne Bog and Wood	Offaly	4	1	2	2	3	0	4	1	1	1	0	1	1	0	0	21	0	33	63.6
33	Camcor Wood/Glinsk	Offaly	4	1	2	1	3	2	2	1	0	1	1	0	1	1	0	20	0	33	60.6
34	Quakerstown	Offaly	1	1	2	1	3	0	3	1	0	1	1	1	1	0	0	16	0	33	48.5
35	Clorhane Wood	Offaly	3	1	2	0	2	2	4	1	0	1	1	1	0	0	0	18	0	33	54.5
36	Lough Coura	Offaly	1	1	2	0 0	3	1	2	2 1	1	1 1	1	0	1	0 1	0	16	0	33	48.5
37	Curraduff	Wexford	1 1	1	2	0	3 3	0 0	3	1	0 0	1	1	0 1	0 1	1	0 0	14	0 0	33 33	42.4 39.4
38	Graiguebeg	Wexford	4	1	2 2	0	-	0	0 2	1	0	0	0	0	1	0	-	13 14	0	33	
48	Jerpoint Abbey	Kilkenny	-	-	2	-	3	-		-	1	1	-	-	1	-	0				42.4
49	Grenan Wood Kilfane House	Kilkenny	3 3	1	2	2 0	2 3	1	4	0 1	1	0	1	1 0	0	1	0 0	21	0 0	33 33	63.6 42.4
51 52	Kilcullen	Kilkenny	3	1	2	0		0 0	1 2	1	0	0	1	1	1	0	0	14	0		42.4 42.4
53 58		Kilkenny	2	1	2	1	3 2	0	2	2	1	1	1	1	1	1	0	14	0	33	42.4 57.6
58 61	Cullentragh Cullaun	Kilkenny	2	1	2	1	2	0	3	2	1	1	1	0	1	0	0	19 16	0	33 33	57.6 48.5
65	Bohermore	Kilkenny	2 1	1	2	1	3	0	2 1	1	1	0	1	0	1	0	0	10	0	33	48.5 36.4
65 69	Bonermore Toberbride	Carlow Carlow	2	1	2	0	2	1	3	2	1	0	1	1	0	0	0	12	0	33	36.4 51.5
69 73	Tinnahinch	Carlow	2	1	2	1	3 1	0	3 1	2	1	0	1	1	1	1	0	11	0	33	33.3
73 74	Knockeen	Carlow	2	0	2	2	3	1	1	1	0	0	0	0	1	0	0	13	0	33	33.3 39.4
74 75	Knockduff	Carlow	2	1	2	2	3	0	2	1	0	1	1	1	0	0	0	13	0	33 33	39.4 39.4
15	Miockauli	Callow	I	1	2	0	5	0	2	'	U	1	1	I	U	U	U	15	U	55	33.4

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Site No.	Woodland Name	Max. Score County	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
76	Ballybeg Big	Carlow	1	1	2	0	3	0	1	0	0	1	1	0	1	0	0	11	0	33	33.3
78	Ballintemple	Carlow	1	1	0	1	0	0	2	0	0	0	0	0	1	0	0	6	0	33	18.2
79	Doon Demesne East	Offaly	2	1	2	2	0	0	2	0	1	0	0	0	0	0	0	10	0	33	30.3
80	Doon Demesne West	Offaly	2	2	2	1	2	1	3	1	1	1	0	0	1	0	0	17	0	33	51.5
81	Clonascra	Offaly	1	1	2	0	3	0	1	1	0	1	1	0	1	0	0	12	0	33	36.4
82	Clongawny More	Offaly	3	2	2	0	3	1	1	1	0	1	0	0	1	0	0	15	0	33	45.5
83	Taylors Cross	Offaly	1	1	2	2	3	0	1	1	0	0	1	0	1	0	0	13	0	33	39.4
84	Boolinarig	Offaly	3	1	2	0	3	0	4	1	0	1	0	0	0	0	0	15	0	33	45.5
85	Ballyhealy (Offaly)	Offaly	2	1	2	0	3	1	2	1	1	0	0	1	1	0	0	15	0	33	45.5
86	Clooneen (Offaly)	Offaly	3	2	2	1	3	1	4	2	1	1	0	0	1	0	0	21	0	33	63.6
89	Ballincor Demesne Bogwood	Offaly	1	1	2	2	3	0	3	2	1	1	1	0	1	0	0	18	0	33	54.5
91 05	Big Wood (West Offaly)	Offaly	1	2	x	X	x	1	4	1	0	0	1	1	1	0	0	12	3	26	46.2
95 96	Drummin (Red Bog)	Carlow	4	1 1	2 2	0 1	3 3	0 0	2 5	1	0 1	0 0	0 1	0 0	1 1	0 0	0 0	11 20	0 0	33 33	33.3 60.6
96 100	Kyleadohir Wood	Kilkenny Wexford	4	2	2	0	3	0	5 1	2	1	0	1	1	1	1	0	20 16	0	33 33	60.6 48.5
100	Tomnafunshogue Ballycrystal	Wexford	3 1	2	2	1	3 3	0	4	2	1	0	1	0	1	1	0	18	0	33	40.5 54.5
102	Bolamore	Wexford	1	1	2	0	2	0	2	1	1	0	1	0	0	1	0	12	0	33	36.4
106	Tombrick Lower	Wexford	1	1	1	1	3	0	2	1	1	0	0	1	1	1	0	14	0	33	42.4
108	Troyswood	Kilkenny	4	1	1	1	3	0	2	1	1	0	1	0	1	1	0	17	Ő	33	51.5
109	Jenkinstown Park	Kilkenny	3	1	2	2	3	0	1	1	0	0	0	1	1	0	0	15	0 0	33	45.5
110	Ballyrafton	Kilkenny	2	1	2	2	2	1	3	0	1	0	1	0	0	0	0	15	0	33	45.5
112	Maddockstown/Nore Cottage	Kilkenny	3	1	2	2	1	1	3	1	1	0	1	1	1	0	0	18	0	33	54.5
113	High Rath	Kilkenny	2	1	2	0	3	0	1	1	0	1	1	0	1	0	0	13	0	33	39.4
114	Gowran	Kilkenny	3	1	2	0	3	0	3	1	1	0	1	1	1	1	0	18	0	33	54.5
116	Fanningstown Wood	Kilkenny	2	1	2	1	3	0	2	1	1	0	1	1	1	0	0	16	0	33	48.5
117	Mountain Grove	Kilkenny	3	1	1	1	0	0	4	0	1	0	1	0	1	0	0	13	0	33	39.4
122	Creakan Lower	Wexford	1	1	2	1	2	0	1	1	0	1	1	1	1	0	0	13	0	33	39.4
123	Stokestown Bridge (Dunganstown)	Wexford	2	2	1	1	3	0	1	2	0	1	0	0	1	0	0	14	0	33	42.4
124	Ballyleigh	Wexford	1	2	2	1	3	0	1	3	0	0	1	0	1	1	0	16	0	33	48.5
125	Ballynacoolagh	Wexford	1	1	2	1	2	0	3	1	1	0	1	1	0	1	0	15	0	33	45.5
126	Curraun	Wexford	1	1	2	0	3	0	3	1	0	0	1	1	0	1	0	14	0	33	42.4
127	Warrington	Kilkenny	3	1	2	1	2	2	2	1	1	0	1	0	1	0	0	17	0	33	51.5
128	Brown's Wood	Kilkenny	2	1	1	1	3	1	4	2	1	0	1	1	1	1	0	20	0	33	60.6
130	Monarche Commons 2	Kilkenny	1	1	2	1	1	0	3	0	0	0	1	1	1	0	0	12	0	33	36.4
131	Greatwood	Kilkenny	2	1	1	1	3	0	1	1	1	0	1	1	1	0	0	14	0	33	42.4
135 136	Coill na Fhaltaigh Rossenarra	Kilkenny	1 3	1 1	1	2	3	0 0	4 2	0 1	1	1	0 1	1 1	1	1 0	0 0	17 19	0 0	33 33	51.5 57.6
136	Rossenarra Knockadrina	Kilkenny Kilkenny	3	2	2 2	2 2	3 3	0	2	1	1	0	1	0	1	0	0	19 21	0	33	57.6 63.6
137	Castlemorris Demesne	Kilkenny	4	2	2	2 1	3	0	4	0	1	0	1	1	1	0	0	14	0	33	63.6 42.4
100		Kiiketiity	2	I	2	I	5	U	I	U	I	U	I	I	I	U	U	14	U	55	46.4

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		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
Site No.	Woodland Name	County				•				•	0			-		0	0	10	0		
139	Twenty Acres	Wexford	2	1	1	0	2	0	1	0 1	0	0 1	1	1	1	0	0	10	0	33	30.3
141 145	Johnstown Castle	Wexford Wexford	1 3	1 1	2 2	1 1	3 3	0 0	0	1	1	1	1	1 1	0	1	0 0	14 18	0 0	33 33	42.4 54.5
145 147	Ballybrennan House	Wexford	3 2	1	2	2	3	0	1 2	0	1	0	1	0	1	0	0	13	0	33 33	54.5 39.4
147	Ballycross	Wexford	2 1	1	2	2	2	0	2 4	1	1	0	1	0	1	1	0	18	0	33	59.4 54.5
140	Ballyfad Bricketstown House	Wexford	4	2	2	2	3	0	4	2	1	0	1	1	1	2	0	24	0	33	54.5 72.7
153	Ballyvalogue	Wexford	4	2	2	0	3	0	4	2	0	0	1	1	0	0	0	24 11	0	33	33.3
153	Ballyboggan Lower	Wexford	4	2	2	1	3	1	4	2	1	1	1	1	1	1	0	25	0	33	33.3 75.8
155	Soldier's Hole	Wexford	-+	1	2	1	2	0	2	1	1	0	1	0	1	0	0	13	0	33	39.4
156	Garryricken North	Kilkenny	4	2	2	1	3	0	4	1	1	0	0	1	1	1	0	21	0	33	63.6
150	Ballynoe	Carlow	1	1	x	x	x	0	1	1	1	1	1	0	1	1	0	9	3	26	34.6
158	Altamont Gardens	Carlow	2	1	2	2	3	0	3	1	1	0	1	0	1	1	0	18	0	33	54.5
160	Ballywilliam	Offaly	2	2	2	0	3	0	3	1	0	1	0	Õ	1	0	0	15	0	33	45.5
162	Guernal	Offaly	3	1	2	0	3	1	0	1	1	0	0 0	Õ	1	0	0	13	0	33	39.4
163	Tombrick Wood	Wexford	2	1	2	0	3	0	1	1	1	0	0	0	0	1	0	12	0	33	36.4
166	Wilton North	Wexford	2	1	2	2	3	1	1	1	1	0	1	1	1	0	0	17	0	33	51.5
167	Wilton South	Wexford	2	1	0	2	3	0	2	1	1	0	0	1	1	1	0	15	0	33	45.5
168	Ballinvally Wood	Carlow	2	1	2	0	3	0	1	1	0	0	1	1	0	1	0	13	0	33	39.4
169	Coonogue Wood	Carlow	1	1	2	0	3	0	0	1	1	0	0	1	1	1	0	12	0	33	36.4
170	Coolpuck Wood	Wexford	2	1	1	1	0	1	4	0	1	0	0	1	1	1	0	14	0	33	42.4
172	Ballingarry Wood	Wexford	1	1	2	0	2	0	4	1	1	0	1	0	0	1	0	14	0	33	42.4
173	Golden Grove	Offaly	3	1	0	1	0	0	4	0	1	0	0	0	1	0	0	11	0	33	33.3
174	Drumakeenan School	Offaly	2	1	2	1	3	0	2	1	1	0	0	0	1	0	0	14	0	33	42.4
175	Townparks	Offaly	2	1	2	0	3	1	1	1	1	1	1	1	1	1	0	17	0	33	51.5
176	Cushcallow	Offaly	4	2	2	0	3	1	3	1	1	1	1	1	1	0	0	21	0	33	63.6
177	Corclogh	Offaly	1	1	2	0	3	0	1	1	1	1	0	1	1	0	0	13	0	33	39.4
178	Orchard	Carlow	2	1	2	1	3	0	3	1	0	0	1	1	1	1	0	17	0	33	51.5
179	Clonogan Wood	Carlow	1	1	2	0	3	0	3	1	1	0	1	0	1	1	0	15	0	33	45.5
180	Glandoran Upper/Carthy's Wood	Wexford	3	2	2	1	3	0	3	1	1	0	1	0	1	1	0	19	0	33	57.6
183	Clogrenan Wood	Carlow	3	1	0	0	0	0	4	0	1	0	1	0	0	0	0	10	0	33	30.3
184	Lisnevagh	Carlow	1	1	0	2	1	0	2	1	0	0	0	0	1	0	0	9	0	33	27.3
186	Drumgoole	Kilkenny	1	1	0	2	1	0	1	0	1	0	1	0	0	0	0	8	0	33	24.2
187	Ballymore Demesne	Wexford	1	1	1	0	3	0	1	2	1	0	1	1	1	0	0	13	0	33	39.4
189	Wells East	Wexford	1	1	1	1	1	0	4	0	1	1	0	1	1	0	0	13	0	33	39.4
190	Wells West	Wexford	2	1	2	1	1	0	1	0	1	0	1	1	0	0	0	11	0	33	33.3
191	Island House	Wexford	2	1	1	0	3	0	4	1	1	0	1	1	1	0	0	16	0	33	48.5
192	Litterbeg	Wexford	2	1	1	1	2	0	2	1	1	0	1	0	1	1	0	14	0	33	42.4
197	Milltown	Offaly	2	1	1	2	0	0	1	1	1	1	1	1	1	0	0	13	0	33	39.4
198	Castletown House (Building Wood)	Kilkenny	1	1	1	2	1	0	3	0	1	0	1	0	0	0	0	11	0	33	33.3

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Site No.	Woodland Name	Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
199	Kilmacow	County Kilkenny	2	1	2	0	2	0	4	2	1	0	1	0	1	1	0	17	0	33	51.5
200	Ballytobin/Ballaghtobin	Kilkenny	4	1	2	2	2	0	4	1	1	0	1	0	1	1	0	21	0	33	63.6
200	Foulkscourt	Kilkenny	4	1	2	2	3	0	4	1	0	0	1	0	0	0	0	14	0	33	42.4
203	Coolroebeg	Kilkenny	2	2	2	0	3	0	3	1	0	1	1	1	1	0	0	17	0	33	51.5
203	Shankill	Kilkenny	4	1	2	0	3	0	3	2	1	0	1	0	1	0	0	18	0	33	54.5
204	Raheendonore	Kilkenny	4	1	1	1	3	0	3	1	0	0	1	1	1	1	0	15	0	33	45.5
205	Ballinrush	Carlow	1	1	2	0	3	0	3	1	0	0	0	1	0	0	0	12	0	33	36.4
208	Crane Bridge	Wexford	2	1	1	1	3	0	2	1	1	0	1	1	1	1	0	16	0	33	48.5
209	Mackmine Wood	Wexford	3	1	2	0	3	0	2	2	0	0 0	1	1	1	1	0	17	0	33	51.5
210	Ballynahillen	Wexford	1	1	1	0	3	0	1	1	1	0	0	1	1	1	0	12	0	33	36.4
211	Newtown Lower	Wexford	4	1	2	2	3	0	3	2	1	0	1	1	1	1	0	22	0	33	66.7
213	Seskinnamadra	Carlow	2	1	1	1	3	1	2	1	0	0 0	1	1	0	1	0	15	0	33	45.5
219	Ballypierce	Carlow	3	1	2	0	3	0	4	2	0	0	1	1	1	1	0	19	0	33	57.6
221	Kilmacoliver	Kilkenny	1	1	2	2	3	0	3	1	1	0	1	1	0	0	0	16	0	33	48.5
223	Johnswell	Kilkenny	1	1	2	0	3	0	2	2	1	0	1	1	1	0	0	15	0	33	45.5
225	Newrath	Kilkenny	3	1	2	1	3	0	3	2	1	0	1	1	1	0	0	19	0	33	57.6
226	Skehana	Kilkenny	2	2	2	0	2	0	3	1	1	0	1	0	0	0	0	14	0	33	42.4
227	Lisdowney Wood	Kilkenny	1	1	1	1	3	1	3	1	1	0	1	1	0	0	0	15	0	33	45.5
228	Crumlin/Tulla	Offaly	1	1	0	1	3	0	1	1	0	0	0	1	1	1	0	11	0	33	33.3
229	Castle Bernard Demense	Offaly	3	2	1	2	2	0	4	0	1	0	1	0	1	1	0	18	0	33	54.5
230	Ballymack	Kilkenny	2	1	2	1	3	0	2	1	0	0	1	0	1	0	0	14	0	33	42.4
234	Monassa	Kilkenny	3	1	2	2	3	0	2	1	1	0	0	1	1	0	0	17	0	33	51.5
236	Flagmount North	Kilkenny	2	1	2	1	3	0	1	1	0	1	0	0	1	0	0	13	0	33	39.4
237	Broughal	Offaly	1	1	2	0	3	0	4	1	1	1	0	0	1	0	0	15	0	33	45.5
238	Barnaboy	Offaly	1	1	2	0	3	0	3	0	0	1	0	0	0	0	0	11	0	33	33.3
240	Clonmacnoise	Offaly	1	1	2	0	3	1	0	1	0	1	1	0	1	0	0	12	0	33	36.4
241	Clonassy Wood	Kilkenny	1	1	2	0	3	0	3	1	1	0	0	0	1	0	0	13	0	33	39.4
242	Grantstown Wood	Laois	4	2	1	1	2	1	4	1	0	1	1	1	0	1	0	20	0	33	60.6
245	Dunamase Woods	Laois	1	1	1	2	1	2	4	1	1	0	0	0	1	0	0	15	0	33	45.5
246	Rock of Dunamase	Laois	1	1	2	0	3	2	1	1	1	1	0	1	1	0	0	15	0	33	45.5
249	Clopook Wood	Laois	2	1	2	1	0	1	1	1	1	0	0	0	1	0	0	11	0	33	33.3
250	Clopook Valley	Laois	4	2	1	1	3	0	2	1	1	1	1	0	1	1	0	19	0	33	57.6
251	Timahoe Eskers	Laois	1	2	2	0	3	0	4	1	1	0	1	1	1	0	0	17	0	33	51.5
252	Clonaslee Eskers	Laois	1	1	0	1	3	0	4	1	1	0	0	1	1	0	0	14	0	33	42.4
253	Kilteale Hill	Laois	2	1	2	0	3	1	3	1	1	0	0	0	1	0	0	15	0	33	45.5
254	Knockbawn	Laois	4	2	2	0	3	1	4	2	0	1	1	1	1	0	0	22	0	33	66.7
255	Morton's Grove	Laois	3	2	2	1	3	1	4	1	1	1	1	0	1	1	0	22	0	33	66.7
256	Coolnamony	Laois	3	2	2	2	3	1	3	1	0	1	1	1	1	1	0	22	0	33	66.7
257	Capard	Laois	2	2	2	0	3	0	2	1	1	1	1	1	1	0	0	17	0	33	51.5

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<u></u>		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
Site No. 258	Woodland Name	County			-		-		-		-						0	45		00	45.5
	Brittas	Laois	2	2	1	1	1	0	1	1	1	1	1	1	1	1	0	15	0	33	45.5
259	Garryhinch Demesne	Laois	4	1 2	1 2	1 2	1 3	2 0	1 4	1	1	0 1	1	1 0	1	0 1	0	16	0 0	33	48.5
260	Ballyfin Demesne	Laois	3					1		2 1	-	0	1	-	-	-	0	23	0	33	69.7
262	Rathcoffey	Laois	4	1	2	0	3		3	-	0	-	•	0	1	0	0	17	-	33	51.5
263	Vicarstown	Laois	3	2	1	1	3	0	3	1	1	1	1	0	1	0	0	18	0	33	54.5
265	Ballhuppahane	Laois	4	2	2	1	3	0	2	2	0	1	1	1	1	1	0	21	0	33	63.6
266	Cush Upper	Laois	3	1	2	0	3	0	2	1	0	1	1	1	1	0	0	16	0	33	48.5
268	Cappagh North	Laois	3	1	2	0 1	3	0	2 1	1	0 1	1	1	0	1	0	0	15	0 0	33	45.5
269	Glenmalyre Demesne	Laois	3	1	2		3	0	-	2	-	0	1	0	1	1	0	17	-	33	51.5
270	Ballybeg Mill	Wexford	2	1	2	0	3	0	1	2	0	1	1	1	1	1	0	16	0	33	48.5
273	Barkmill	Laois	3	1	2	0	3	0	0	1	0	0	1	0	1	0	0	12	0	33	36.4
274	Bughorn	Laois	2	1	2	0	3	0	2	1	0	1	1	1	0	0	0	14	0	33	42.4
275	Ballina	Laois	1	1	2	1	2	1	2	1	0	1	1	0	1	0	0	14	0	33	42.4
276	Maidenhead	Laois	2	1	2	1	3	0	3	1	1	0	1	1	1	0	0	17	0	33	51.5
277	Ashfield	Laois	2	1	2	1	1	0	2	2	1	0	1	0	1	0	0	14	0	33	42.4
278	Derrykearn	Laois	2	1	2	1	3	1	2	1	0	1	1	0	1	0	0	16	0	33	48.5
280	Kilcruise	Laois	3	1	2	1	3	0	3	1	1	0	1	1	1	0	0	18	0	33	54.5
281	Kilkoke	Laois	3	1	2	0	3	1	2	1	1	0	1	0	1	0	0	16	0	33	48.5
282	Castledurrow Demesne	Laois	2	1	2	2	3	1	0	1	1	0	1	0	1	0	0	15	0	33	45.5
283	Dunmore Demesne	Laois	3	1	2	0	2	0	5	0	1	0	1	1	1	0	0	17	0	33	51.5
284	Course Wood	Laois	3	1	2	2	1	2	1	1	1	0	1	0	1	0	0	16	0	33	48.5
286	Knocknatrina Wood	Laois	3	2	2	1	0	1	4	0	1	0	1	0	0	0	0	15	0	33	45.5
287	Knockbeg College	Laois	2	1	2	1	3	0	2	1	0	0	1	0	1	1	0	15	0	33	45.5
289	Crush Wood	Laois	1	1	2	0	3	0	1	1	0	0	0	1	0	0	0	10	0	33	30.3
290	Warren Hill	Laois	3	1	0	2	1	0	4	0	1	0	1	0	1	0	0	14	0	33	42.4
294	Scotchrath House	Laois	2	1	1	1	1	0	1	0	1	0	0	1	0	0	0	9	0	33	27.3
296	Corbally	Laois	2	1	2	1	3	0	3	1	1	1	1	0	1	0	0	17	0	33	51.5
297	Killeany	Laois	1	1	2	1	3	0	2	1	0	1	0	1	1	0	0	14	0	33	42.4
300	Ballaghmore Upper	Laois	1	1	2	0	2	0	2	1	1	0	1	0	1	1	0	13	0	33	39.4
302	Garryricken South	Kilkenny	4	1	2	1	3	0	3	2	1	0	0	1	1	0	0	19	0	33	57.6
303	Harperstown	Wexford	1	1	2	2	3	0	0	1	1	1	1	1	1	1	0	16	0	33	48.5
304	Garrylough Lower	Wexford	2	1	2	0	3	0	2	1	0	0	1	1	1	1	0	15	0	33	45.5
305	Pollfur Bridge Wood	Wexford	2	1	2	2	3	0	0	1	0	0	1	0	0	1	0	13	0	33	39.4
307	Donore House Wood	Laois	1	1	1	1	3	1	1	1	1	0	1	0	1	1	0	14	0	33	42.4
308	Barleagh Wood	Kilkenny	1	1	2	0	2	0	4	0	1	0	1	1	1	0	0	14	0	33	42.4
309	Emmel West	Offaly	1	1	2	0	2	0	1	1	0	1	1	0	0	0	0	10	0	33	30.3
310	Coolaphuca	Carlow	4	1	2	2	3	0	4	1	1	1	1	1	1	1	0	23	0	33	69.7
311	Barnadown Wood	Wexford	1	1	2	0	2	0	0	0	1	0	0	0	0	0	0	7	0	33	21.2
313	Kilballyskea Bog	Offaly	1	1	1	0	3	0	1	1	0	1	0	0	1	0	0	10	0	33	30.3

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Site No.	Woodland Name	Max. Score County	4	3	2	2	3	3	3	3	1	/	1	1	1	2	1	33			100.0
316	Ballynattin	Carlow	2	2	2	0	3	0	2	1	1	0	1	0	1	1	0	16	0	33	48.5
320	Big Wood (Wexford)	Wexford	1	1	2	1	2	0	0	1	1	0	0	0	0	1	0	10	0	33	30.3
321	Brownstown	Offaly	4	1	2	0	3	2	3	2	1	1	0	1	1	0	0	21	0	33	63.6
322	North Brow	Laois	2	2	2	0	3	0	1	2	1	0	1	0	1	0	0	15	0	33	45.5
324	Cloghscregg	Kilkenny	2	1	2	0	3	0	1	1	0	0	1	0	1	0	0	12	0	33	36.4
326	Brownstown East	Offaly	1	1	2	0	3	1	0	1	0	1	0	0	0	0	0	10	0	33	30.3
327	Carrhill Wood	Wexford	1	1	0	2	0	0	2	0	1	0	0	0	1	0	0	8	0	33	24.2
328	Lisheen	Offaly	1	1	2	0	3	1	3	1	0	1	1	0	1	0	0	15	0	33	45.5
329	Clondallow	Offaly	1	1	2	1	3	0	2	1	0	1	1	0	1	0	0	14	0	33	42.4
330	Rinn Lough Woods	Leitrim	2	2	2	1	3	0	4	2	0	0	1	0	0	1	0	18	0	33	54.5
331	Ardagh	Leitrim	2	2	0	2	3	0	4	1	1	1	1	1	1	0	0	19	0	33	57.6
332	Buckode	Leitrim	2	2	1	1	3	0	4	1	0	1	1	1	1	0	0	18	0	33	54.5
333	Stonepark	Leitrim	2	2	2	1	3	0	4	1	1	1	1	1	1	1	0	21	0	33	63.6
334	Garadice Lough Peninsula	Leitrim	4	2	2	2	3	1	2	1	1	0	1	1	1	1	0	22	0	33	66.7
335	Faslowart	Leitrim	2	2	2	0	3	2	4	1	1	1	0	1	1	0	0	20	0	33	60.6
336	Ballard Hill	Wicklow	1	2	1	2	3	1	4	1	1	1	1	0	1	1	0	20	0	33	60.6
337	Massy's Wood	Dublin	2	2	0	1	1	0	4 5	0	1	0	1	1	1	0	0	14	0	33	42.4
338	Vale of Clara	Wicklow	4	3	2	1	3	1	-	1	1	0	1	0	1	1	0	24	0	33	72.7
339	O' Donnell's Rock Wood	Leitrim	2	2	2 1	1	3	1	4	1	1	1	0	0	0	0	0	18	0	33	54.5
340 341	Killygar House	Leitrim	4 3	2 2	2	0	0 3	2 1	4	1	1	0 1	1	0 0	1 0	0 0	0 0	18	0 0	33 33	54.5 48.5
341 344	Ballard Bridge	Wicklow	3	2	2	1	3	0	1 3	1	0	0	1	1	1	0	0	16 16	0	33 33	48.5 48.5
344 345	Cappog Ballyconnell Demesne	Cavan Cavan	4	2	2	2	3	2	3 5	3	1	0	1	1	1	1	0	28	0	33 33	40.5 84.8
345 346	Deerpark (Cavan)	Cavan	4	2	2	2	3	0	5	1	0	0	1	0	1	2	0	20	0	33	66.7
340 347	Annaghduff	Cavan		2	0	0	3	0	4	1	0	1	1	1	0	1	0	15	0	33	45.5
348	Lismore Demesne	Cavan	1	2	2	0	3	0	1	1	0	0	0	1	0	0	0	11	0	33	33.3
349	Bellamont Forest	Cavan	4	2	1	0	3	1	2	1	1	0	1	1	1	0	0	18	0	33	54.5
350	Mullaghahy	Cavan	1	2	2	0	3	2	1	1	0	0	1	1	0	0	0	14	0	33	42.4
351	Kingscourt Forest Park	Cavan	4	2	1	1	2	2	4	0	1	0	1	1	1	0 0	0	20	0	33	60.6
353	Greenaun North	Leitrim	2	2	1	0	3	1	4	1	1	1	1	1	1	0 0	0	19	0	33	57.6
355	Treankillew Wood	Leitrim	1	2	2	1	3	0	1	1	1	1	1	1	1	0 0	0	16	0	33	48.5
356	Mount Campbell Woods South	Leitrim	2	2	2	1	2	1	0	2	0	0	1	1	1	0	0	15	Õ	33	45.5
360	Woodford	Leitrim	1	1	1	2	3	0	0	0	1	1	0	1	0	0	0	11	0	33	33.3
361	Carrickataeane	Leitrim	3	2	2	1	3	1	1	1	0	1	1	1	1	0	0	18	0	33	54.5
362	Cloonaquin Wood	Leitrim	1	2	2	0	3	0	1	1	1	1	0	1	1	1	0	15	0	33	45.5
364	Keelrin	Leitrim	1	2	2	1	3	0	2	1	0	1	1	1	1	1	0	17	0	33	51.5
365	Mullaghboy South	Leitrim	2	2	1	2	3	1	1	2	0	1	1	1	1	0	0	18	0	33	54.5
366	Mullaghboy	Leitrim	2	2	2	1	3	0	2	1	0	1	1	1	0	1	0	17	0	33	51.5
367	Keelrin East	Leitrim	4	2	2	1	2	2	2	1	0	1	1	1	1	0	0	20	0	33	60.6

score

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			Vascul		ness	6					Woodlar 18405	wpes			Adebiis,	20 M					
				Bryop	len v	hess horizo	Jon .e	Basal Ar Basal Ar	<i>в</i> . с	6	~	<i>`</i> 6``	habitate		eatur ,	, Der	Woodan Tuta S	6		6	
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		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33	v	v	100.0
Site No.	Woodland Name	County				_	-			-		-	-	-	-		-				
371	Conaghil	Leitrim	3	1	0	0	0	0	2	1	1	0	1	0	1	1	0	11	0	33	33.3
373	Corleck/Derrydamph	Cavan	1	2	2	0	3	0	4	1	0	1	1	0	1	0	0	16	0	33	48.5
374	Srabraggan	Roscommon	3	1	2	0	3	0	0	2	0	1	1	1	1	1	0	16	0	33	48.5
379	Roosky Hill	Leitrim	3	2	1	1	3	0	2	1	1	1	1	1	1	0	0	18	0	33	54.5
381	Killavoggy Wood	Leitrim	3	1	0	0	3	0	0	1	0	1	1	0	0	1	0	11	0	33	33.3
382	Lavagh Wood	Leitrim	3	2	2	0	3	1	2	1	1	1	1	0	1	0	0	18	0	33	54.5
386	Glassalt Wood	Leitrim	3	2	1	0	3	0	0	1	0	0	1	1	0	0	0	12	0	33	36.4
387	Camalt Wood	Leitrim	2	2	2	0	3	1	0	1	0	1	1	1	1	0	0	15	0	33	45.5
388	Derrycarne Demesne South	Leitrim	4	2 1	2 2	0 0	3	3 0	4	2 1	1	0	1	1	1 0	1	0	25	0 0	33	75.8
389 390	Lough MacHugh Wood Aghadrumcarn Wood	Leitrim Leitrim	1 1	2	2	0	3 3	0	0 1	1	0 0	0 1	1 1	0 0	1	0 0	0 0	9 12	0	33 33	27.3 36.4
390 392	Clooncahir Wood	Leitrim	3	2	2	1	2	1	3	1	0	1	0	0	1	0	0	12	0	33 33	30.4 51.5
392 394	Corraleskin Wood	Leitrim	1	2	2	0	2	0	3	1	0	1	0	0	1	0	0	14	0	33	42.4
396	Summerhouse Wood	Leitrim	2	2	2	0	3	0	3	1	0	1	1	1	1	0	0	17	0	33	51.5
397	Cloone Lough Woods	Leitrim	2	2	2	0	3	0	4	1	0	1	1	0	1	0	0	17	0	33	51.5
399	Stracummer Woods	Leitrim	2	2	2	1	3	0	3	1	0	1	1	1	1	0	0	18	0	33	54.5
400	Derrycarne North	Leitrim	1	1	2	1	3	0	3	1	1	0	0	0	0	0	0	13	0	33	39.4
401	Lough Fea Demense	Monaghan	3	2	2	2	2	0	5	0	1	0	0	0	1	0	0	18	0	33	54.5
402	Black Lough/Lough Bawn Woods	Monaghan	2	2	0	1	3	0	1	1	1	1	1	1	0	1	0	15	0	33	45.5
403	Fairfield Demense	Monaghan	4	2	1	2	3	1	4	2	1	0	1	1	1	0	0	23	0	33	69.7
404	Old Wood	Monaghan	3	1	1	1	3	2	2	1	1	0	1	1	0	0	0	17	0	33	51.5
406	Nut Wood	Monaghan	3	1	2	1	3	0	4	0	1	0	1	0	1	1	0	18	0	33	54.5
407	Derryveen Wood	Monaghan	4	2	2	0	3	0	4	1	0	0	1	1	1	0	0	19	0	33	57.6
408	Drumever Woods	Monaghan	2	2	1	1	1	0	3	0	1	0	1	1	1	0	0	14	0	33	42.4
409	Drummully	Monaghan	3	1	1	0	3	1	3	1	1	0	0	1	1	0	0	16	0	33	48.5
410	Derrynashallog	Monaghan	3	2	2	1	2	1	3	1	1	0	1	0	1	0	0	18	0	33	54.5
411	Dromore West	Monaghan	4	2	2	0	3	1	2	1	1	0	1	1	1	1	0	20	0	33	60.6
412	Hollywood Lake Wood	Monaghan	4	2	2	0	3	0	3	1	1	0	1	1	1	0	0	19	0	33	57.6
414	Derrygorry Wood	Monaghan	1	2	2	2	3	1	2	1	1	0	0	1	0	1	0	17	0	33	51.5
416	Castleshane Demense Woods	Monaghan	2	2	1	1	3	1	4	1	1	0	0	1	0	0	0	17	0	33	51.5
417	Tully Wood	Longford	2 4	2	2 1	0 2	3	0 1	2	1 1	0 1	1	0 1	1	0 1	0 0	0	14	0	33	42.4
418 419	Carrickglass Demense Woods	Longford	4	2 2	ו 1	2	3 3	1	4 4	1	1	0 0	1	1	1	0	0 0	22 22	0 0	33 33	66.7 66.7
419 421	Carrickglass Demense Woods West Derryglogher Wood	Longford Longford	4	2	1	2	3	2	4 3	1	1	1	0	1	1	0	0	22 19	0	33 33	57.6
421	Kiltyreher Wood	Longford	2	2	2	1	3	2	2	1	1	0	1	1	0	0	0	19	0	33 33	57.6 51.5
422 423	Inisfale Wood	Roscommon	4	2	2	0	3	0	2	1	0	1	1	1	0	1	0	15	0	33	45.5
425	Cormongan	Leitrim	4	1	2	0	3	0	1	1	0	0	1	0	0	1	0	11	0	33	33.3
426	Derrycarne Shoreline	Leitrim	4	1	2	0	3	1	3	1	1	1	1	1	0	1	0	20	0	33	60.6
427	Carrickarinn	Leitrim	4	2	2	1	3	1	4	2	0	0	1	1	1	0	0	22	0	33	66.7
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85			atures	Deadw	,00 ⁰	x			
Sin	habitate	voodu	debris, Nanni	ade teatil	Woodlay Tuta	porings Score	Missif	Nat av	ailable
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			185	814	41 ⁶⁻	40'	Har	401	Are	Har	~ ⁶ ^	POI	440	1/0.	War	AU	LAIL	SCO	Mis	WS.	0/05-
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
Site No.	Woodland Name	County																			
428	Esker North	Leitrim	3	1	2	0	3	1	1	1	0	0	0	1	1	0	0	14	0	33	42.4
430	Lugmore Glen	Dublin	2	2	2	0	3	2	0	1	0	0	1	1	1	0	0	15	0	33	45.5
432	Largydonnell Wood	Leitrim	2	2	0	1	3	0	3	1	1	1	1	0	1	0	0	16	0	33	48.5
438	Black River Woods	Cavan	3	2	1	2	3	1	2	2	1	1	1	1	1	0	0	21	0	33	63.6
439	Gartbrattan Wood	Cavan	2	2	2	1	3	1	3	1	0	1	1	1	0	0	0	18	0	33	54.5
443	Knocktemple	Cavan	1	2	2	0	3	0	1	1	0	1	1	1	1	0	0	14	0	33	42.4
446	Trinity Island Wood	Cavan	4	2	2	1	3	1	3	2	0	1	1	1	1	0	0	22	0	33	66.7
448	Kilnaglare Lower Wood	Cavan	3	2	2	0	3	0	3	1	0	1	1	1	1	0	0	18	0	33	54.5
453	Drumgoa Wood	Cavan	1	2	2	0	3	0	3	1	0	1	1	1	1	0	0	16	0	33	48.5
454	Redhill Demense Wood	Cavan	4	2	1	2	2	1	3	0	1	0	1	1	1	0	0	19	0	33	57.6
455	Lavey	Cavan	2	2	2	0	3	0	2	1	1	0	1	1	1	0	0	16	0	33	48.5
456	Crocknahattin	Cavan	1	1	1	1	3	0	0	0	1	0	0	0	1	0	0	9	0	33	27.3
457	Drumbannan	Cavan	1	1	2	0	3	0	1	0	1	0	0	0	0	0	0	9	0	33	27.3
458	Lear	Cavan	1	2	0	0	3	0	1	0	1	0	0	0	0	0	0	8	0	33	24.2
459	Drummora Great Wood	Cavan	1	1	2	0	3	0	1	1	0	1	1	1	1	0	0	13	0	33	39.4
460	Gortnanoul Wood	Cavan	1	1	1	0	1	0	1	0	0	0	0	1	1	0	0	7	0	33	21.2
461	Makeif Wood	Cavan	1	2	2	0	3	0	2	1	0	1	1	1	0	0	0	14	0	33	42.4
463	Derinish More Wood	Cavan	3	1	2	1	3	1	2	1	1	0	1	1	0	2	0	19	0	33	57.6
465	Annagh Wood West	Cavan	2	2	2	0	3	0	3	2	0	0	1	0	0	0	0	15	0	33	45.5
466	Stonepark Wood	Cavan	1	1	2	1	2	0	2	0	1	0	0	1	1	1	0	13	0	33	39.4
467	St John's Wood	Roscommon	4	3	2	1	3	3	5	2	1	1	1	1	1	1	0	29	0	33	87.9
468	Black Island Wood	Leitrim	4	2	2	0	3	1	2	1	1	1	1	1	1	1	0	21	0	33	63.6
469	Meenagh Wood	Leitrim	3	2	2	1	3	1	3	1	1	1	1	1	1	0	0	21	0	33	63.6
470	Mantua House	Roscommon	2	2	2	0	2	1	3	0	1	1	1	1	1	0	0	17	0	33	51.5
471	Warren Point	Roscommon	2	2	2	2	3	0	3	1	1	0	1	0	0	0	0	17	0	33	51.5
472	Hughestown Wood	Roscommon	2	2	2	2	3	1	3	1	1	1	1	1	1	0	0	21	0	33	63.6
474	Danesfort	Roscommon	2	2	2	0	3	0	3	1	1	1	1	1	1	0	0	18	0	33	54.5
475	Drumcormick Wood	Roscommon	2	2	2	1	3	0	4	1	1	1	1	1	1	0	0	20	0	33	60.6
476	Drummans Island	Roscommon	1	2	2	2	3	0	4	1	1	1	1	1	0	0	0	19	0	33	57.6
477	The Quarters	Roscommon	1	2	2	0	2	0	3	1	1	1	0	0	0	0	0	13	0	33	39.4
478	Cloontykilla Wood	Roscommon	1	2	1	2	3	1	3	1	1	0	1	1	1	0	0	18	0	33	54.5
479	Knockvicker	Roscommon	2	2	1	1	3	0	3	2	0	1	1	1	1	0	0	18	0	33	54.5
480	Dooneen	Roscommon	2	1	2	0	3	0	3	1	1	1	1	1	1	0	0	17	0	33	51.5
481	Caslans Wood	Roscommon	1	1	2	2	0	1	3	0	1	0	0	0	1	0	0 0	12	0	33	36.4
482	Kilcloghan	Roscommon	3	3	2	0	3	0	3	1	1	1	1	0	1	0 0	0	19	0	33	57.6
483	Cloonsillagh	Roscommon	2	3	1	0	0	0	3	1	0	1	1	1	1	0	0 0	14	0	33	42.4
484	Derrymacstur	Roscommon	3	2	2	0	3	1	3	1	1	1	1	1	1	0	0	20	0	33	60.6
485	Knockranny	Roscommon	2	2	2	1	3	0	3	1	1	1	1	1	0	0	0	18	0	33	54.5
486	Doon Wood	Roscommon	2	2	0	1	3	2	2	1	1	1	1	0	1	0	0	17	0	33	51.5
100	2001 11000	10000mmon	L	<i>L</i>	Ū		0	-	<u>~</u>		•	•		0		0	0	.,	Ū	50	01.0

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Site No. Woodland Name County 486 Overgalies Cavan 1 2 0 3 0 1 1 1 1 0 0 16 0 33 48.6 487 Gortnacargy Cavan 4 2 1 1 1 1 1 1 0 0 16 0 33 48.6 486 Moherreagh Cavan 3 1 2 0 3 1 0 1 1 0 <th></th> <th>00⁰</th> <th></th> <th></th> <th></th> <th></th>																		00 ⁰				
Site No. Woodland Name County Image: County						mess	-9		Pr.				TYPES			ITes	ad W	-				
Site No. Woodfand Name County Image of the second seco					~	iich. m	nest at	Jon .ve	HSIL A	e ⁿ je	6		0	ale a	, 49	all s	N° NI	Nes Jar	,o		<u>چ</u>	
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Site No. Woodland Name County J <thj< th=""> J<th></th><th></th><th></th><th>دى</th><th>121 0</th><th>WA. 6</th><th>e¹, 1</th><th>int ive</th><th>, b¹ , b</th><th>ຂັ</th><th>ve</th><th>N .05</th><th>, s^x</th><th>1¹</th><th>0⁰ 0</th><th>10 m</th><th>ao . et</th><th>Nº S</th><th>R. 10</th><th>ان</th><th>19 24</th><th>atticote</th></thj<>				دى	121 0	WA. 6	e ¹ , 1	int ive	, b ¹ , b	ຂັ	ve	N .05	, s ^x	1 ¹	0 ⁰ 0	10 m	ao . et	Nº S	R. 10	ان	19 24	atticote
Site No. Woodland Name County Image of the second seco				V255	BING	41ee	Hor	Matt	Not	Arec	Mati	1800	Adl	440	Nos	Mall	AUL	TUNC	SCO	MISS	Mat	°/°20
448 Owengalies Cavan 3 2 2 0 3 0 1 1 1 1 1 1 1 0 0 16 0 33 44.2 490 Gorthycamaghan Cavan 4 2 1 1 2 1 1 1 0 0 16 0 33 44.2 495 Moheresgh Cavan 3 1 2 0 3 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 <t< th=""><th></th><th></th><th>Max. Score</th><th>4</th><th>3</th><th>2</th><th>2</th><th>3</th><th>3</th><th>5</th><th>3</th><th>1</th><th>1</th><th>1</th><th>1</th><th>1</th><th>2</th><th>1</th><th>33</th><th></th><th></th><th>100.0</th></t<>			Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
490 Cornacargy Cavan 1 2 2 0 3 0 2 1		Woodland Name	County																			
435 Monegahan Cavan 4 2 1 1 2 1 1 1 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 0 1 1 0			Cavan	3							1	0	1			1						48.5
445 Moherraapi Cavan 3 1 2 0 3 1 0 1 1 0 0 0 1 0 0 1 0				1							-		-									48.5
466 Tonyhanigan Monghan 1 1 0 2 2 0		, .		-					-		-	-	0			-	-					48.5
497 Newfown Wood (Cavan) Cavan 1 2 2 0 3 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0	495	Moherreagh	Cavan	3	1	2			1	3	1	0	1	1	0	1	0	0	17	0	33	51.5
488 Eme Head Longford 3 1 0 1 2 0 4 1 1 0 1 1 1 0 17 0 33 51.2 499 Glentame Wood Leitrim 3 1 2 0 3 2 1 1 0 0 1 1 0 0 15 0 33 45.2 501 Diogarymore Roscommon 2 1 2 0 3 0 2 1 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 0 0 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0	496	Tonyhamigan	Monaghan	1	1				0	2	0	0	0	0	0	0	0	0	8	0	33	24.2
449 Gendrane Wood Leitrinn 3 1 2 0 3 1 2 1 0 0 1 1 0 0 15 0 33 45.2 501 Dogaymore Roscommon 2 1 2 0 3 1 1 2 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 <	497	Newtown Wood (Cavan)	Cavan	1	2	2	0	-	0	0	1	1	0	0	1	1	0	0	12	0	33	36.4
500 Tullyguide Lough Gavan 2 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 <td>498</td> <td>Erne Head</td> <td>Longford</td> <td>3</td> <td>1</td> <td></td> <td></td> <td></td> <td>0</td> <td>4</td> <td>1</td> <td>1</td> <td>0</td> <td>1</td> <td>1</td> <td></td> <td>-</td> <td>0</td> <td>17</td> <td>0</td> <td>33</td> <td>51.5</td>	498	Erne Head	Longford	3	1				0	4	1	1	0	1	1		-	0	17	0	33	51.5
Dogarymore Rescommon 2 1 2 0 3 1 1 2 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 1 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0	499	Glenfarne Wood	Leitrim	3	1	2	0	-	1		1	0	0	1	1	0	0	0	15	0	33	45.5
502 Killycarney Cavan 1 1 2 0 3 0 2 1 0 1 0 0 12 0 33 35.4 503 Doogarymore Bog Hoscommon 1 1 2 0 3 0 2 1 0 1 0 0 0 0 0 1 0 33 35.4 505 Cavan Lenitim 4 1 2 0 3 0 0 1 1 0 1 0 0 0 1 0 14 0 33 54.2 506 Drundowney Kilkenny 1 1 x 2 3 1 2 x 1 x x x 1 0 1 0 1 x x x 1 x x 1 x x x 1 0 1 x 1 x x x 1 0 1 x 1 x x x 1 <td>500</td> <td>Tullyguide Lough</td> <td>Cavan</td> <td>2</td> <td>1</td> <td>0</td> <td>0</td> <td>3</td> <td>2</td> <td>2</td> <td>1</td> <td>1</td> <td>0</td> <td>1</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>15</td> <td>0</td> <td>33</td> <td>45.5</td>	500	Tullyguide Lough	Cavan	2	1	0	0	3	2	2	1	1	0	1	1	0	1	0	15	0	33	45.5
503 Doogarymore Bog Roscommon 1 1 2 0 3 0 2 1 0 1 0 0 0 0 0 0 1 0 33 33.3 504 Derrycassin Longford 3 2 2 1 3 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 0 1	501	Doogarymore	Roscommon	2	1	2	0	3	1	1	2	1	0	0	1	0	0	0	14	0	33	42.4
504 Derrycassin Longford 3 2 2 1 3 0 2 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0	502	Killycarney	Cavan	1	1	2	0	3	0	2	1	0	1	0	0	1	0	0	12	0	33	36.4
505 Gavan Leitinn 4 1 2 0 3 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 <	503	Doogarymore Bog	Roscommon	1	1	2	0	3	0	2	1	0	1	0	0	0	0	0	11	0	33	33.3
506 Drumdowney Kilkenny 1 1 x 2 3 0 4 x 1 x	504	Derrycassin	Longford	3	2	2	1	3	0	2	1	1	0	1	1	0	1	0	18	0	33	54.5
507 Forestaltown Kilkenny 1 x 2 3 1 2 x 1 x <td>505</td> <td>Cavan</td> <td>Leitrim</td> <td>4</td> <td>1</td> <td>2</td> <td>0</td> <td>3</td> <td>0</td> <td>0</td> <td>1</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>14</td> <td>0</td> <td>33</td> <td>42.4</td>	505	Cavan	Leitrim	4	1	2	0	3	0	0	1	1	0	1	0	0	1	0	14	0	33	42.4
508 Dunganstown Wexford 2 2 2 1 2 x 1 x	506	Drumdowney	Kilkenny	1	1	х	2	3	0	4	х	1	х	х	х	х	1	0	13	6	24	54.2
509 Keaney's Bay Kilkenny 1 1 x 2 1 0 1 x	507	Forestaltown	Kilkenny	1	1	х	2	3	1	2	х	1	х	х	х	х	0	0	11	6	24	45.8
510 Stokestown Wexford 1 1 x 2 1 0 1 x 1 x	508	Dunganstown	Wexford	2	2	х	2	2	1	2	х	1	х	х	х	х	1	0	13	6	24	54.2
511 Fishertown Wexford 2 1 x 2 3 0 0 x	509	Kearney's Bay	Kilkenny	1	1	х	2	1	0	1	х	1	х	х	х	х	0	0	7	6	24	29.2
512 Poulmaloe Wexford 2 1 x 2 0 1 1 x 1 x	510	Stokestown	Wexford	1	1	х	2	1	0	1	х	1	х	х	х	х	1	0	8	6	24	33.3
513 Buttermilk Point Wexford 1 1 x 2 2 1 0 x </td <td>511</td> <td>Fishertown</td> <td>Wexford</td> <td>2</td> <td>1</td> <td>х</td> <td>2</td> <td>3</td> <td>0</td> <td>0</td> <td>х</td> <td>0</td> <td>х</td> <td>х</td> <td>х</td> <td>х</td> <td>1</td> <td>0</td> <td>9</td> <td>6</td> <td>24</td> <td>37.5</td>	511	Fishertown	Wexford	2	1	х	2	3	0	0	х	0	х	х	х	х	1	0	9	6	24	37.5
514 Mountgarrett Wexford 1 1 x 2 3 1 2 x 1 x	512	Poulmaloe	Wexford	2	1	х	2	0	1	1	х	1	х	х	х	х	0	0	8	6	24	33.3
515 Kylecorragh Kilkenny 2 2 x 2 3 1 4 x 1 x	513	Buttermilk Point	Wexford	1	1	х	2	2	1	0	х	0	х	х	х	х	0	0	7	6	24	29.2
516 Island on the Nore Kilkenny 1 1 x	514	Mountgarrett	Wexford	1	1	х	2	3	1	2	х	1	х	х	х	х	1	0	12	6	24	50.0
517 Opposite Murphy's of the River Kilkenny 1 1 x x x 1 x <td>515</td> <td>Kylecorragh</td> <td>Kilkenny</td> <td>2</td> <td>2</td> <td>х</td> <td>2</td> <td>3</td> <td>1</td> <td>4</td> <td>х</td> <td>1</td> <td>х</td> <td>х</td> <td>х</td> <td>х</td> <td>1</td> <td>0</td> <td>16</td> <td>6</td> <td>24</td> <td>66.7</td>	515	Kylecorragh	Kilkenny	2	2	х	2	3	1	4	х	1	х	х	х	х	1	0	16	6	24	66.7
Sile Murphy's of the River Kilkenny 1 2 x 2 2 0 0 x 1 x	516	Island on the Nore	Kilkenny	1	1	х	х	х	2	2	х	1	х	х	х	х	1	0	8	8	19	N/A
519 Coolnamuck Kilkenny 1 1 x 2 1 0 1 x 0 7 6 24 29.2 520 Coolnamuck 2 Kilkenny 1 1 x x x 2 2 x 0 x x x 1 0 7 6 24 29.2 520 Coolnamuck 2 Kilkenny 1 1 x x 2 2 x 0 x x x 1 0 7 8 19 N/A 521 Dysart/Newgrove Kilkenny 2 1 x 2 2 1 1 x x x x 1 0 11 6 24 45.2 522 Woodview Gate (Markree) Sligo 1 1 x 2 3 1 0 x x x x 1 0 11 6 24 45.2 523 Moodview Gate (Markree) Sligo 1 2 x 2	517	Opposite Murphy's of the River	Kilkenny	1	1	х	х	х	1	0	х	1	х	х	х	х	0	0	4	8	19	N/A
520 Coolnamuck 2 Kilkenny 1 1 x x x 2 2 x 0 x <td>518</td> <td>Murphy's of the River</td> <td>Kilkenny</td> <td>1</td> <td>2</td> <td>х</td> <td>2</td> <td>2</td> <td>0</td> <td>0</td> <td>х</td> <td>1</td> <td>х</td> <td>х</td> <td>х</td> <td>х</td> <td>2</td> <td>0</td> <td>10</td> <td>6</td> <td>24</td> <td>41.7</td>	518	Murphy's of the River	Kilkenny	1	2	х	2	2	0	0	х	1	х	х	х	х	2	0	10	6	24	41.7
521 Dysart/Newgrove Kilkenny 2 1 x 2 1 x 2 1 x 2 1 x </td <td>519</td> <td>Coolnamuck</td> <td>Kilkenny</td> <td>1</td> <td>1</td> <td>х</td> <td>2</td> <td>1</td> <td>0</td> <td>1</td> <td>х</td> <td>0</td> <td>х</td> <td>х</td> <td>х</td> <td>х</td> <td>1</td> <td>0</td> <td>7</td> <td>6</td> <td>24</td> <td>29.2</td>	519	Coolnamuck	Kilkenny	1	1	х	2	1	0	1	х	0	х	х	х	х	1	0	7	6	24	29.2
522 Woodview Sligo 1 1 x 2 0 0 1 x 1 x	520	Coolnamuck 2	Kilkenny	1	1	х	х	х	2	2	х	0	х	х	х	х	1	0	7	8	19	N/A
523 Woodview Gate (Markree) Sigo 2 1 x 2 3 1 0 x 1 x <td< td=""><td>521</td><td>Dysart/Newgrove</td><td>Kilkenny</td><td>2</td><td>1</td><td>х</td><td>2</td><td>2</td><td>1</td><td>1</td><td>х</td><td>1</td><td>х</td><td>х</td><td>х</td><td>х</td><td>1</td><td>0</td><td>11</td><td>6</td><td>24</td><td>45.8</td></td<>	521	Dysart/Newgrove	Kilkenny	2	1	х	2	2	1	1	х	1	х	х	х	х	1	0	11	6	24	45.8
523 Woodview Gate (Markree) Sligo 2 1 x 2 3 1 0 x 1 x <t< td=""><td>522</td><td>, ,</td><td>•</td><td>1</td><td>1</td><td>х</td><td>2</td><td>0</td><td>0</td><td>1</td><td>х</td><td>1</td><td>х</td><td>х</td><td>х</td><td></td><td>0</td><td>0</td><td>6</td><td>6</td><td>24</td><td>25.0</td></t<>	522	, ,	•	1	1	х	2	0	0	1	х	1	х	х	х		0	0	6	6	24	25.0
524 Gobbadagh (Markree) Sligo 1 2 x 2 3 0 4 x 1 x x x x 0 0 13 6 24 54.2 525 Markree Castle (Markree) Sligo 3 2 x 2 3 1 4 x 1 x x x 0 0 16 6 24 66.7 526 Toberscanavan I, (Markree) Sligo 1 2 x 2 3 0 3 x 1 x x x 0 0 16 6 24 66.7 526 Toberscanavan I, (Markree) Sligo 1 1 x 2 3 0 3 x 1 x x 0 0 12 6 24 50.0 528 Toberscanavan III (Markree) Sligo 1 1 x 2 0 0 1 x x 1 0 9 6 24 33.3 53.0 Sligo	523	Woodview Gate (Markree)	-	2	1	х	2	3	1	0	х	1	х	х	х	х	1	0	11	6	24	45.8
525 Markree Castle (Markree) Sligo 3 2 x 2 3 1 4 x 1 x x x 0 0 16 6 24 66.7 526 Toberscanavan I, (Markree) Sligo 1 2 x 2 3 0 3 x 1 x x x 0 0 12 6 24 50.0 528 Toberscanavan III (Markree) Sligo 1 1 x 2 3 0 0 x 1 x x x 1 0 9 6 24 50.0 528 Toberscanavan III (Markree) Sligo 1 1 x 2 3 0 0 x 1 x x 1 0 9 6 24 50.0 529 Coopershill Sligo 3 1 x 2 0 0 1 x x x 0 0 8 6 24 33.3 3 3 3	524	· · · · · ·	•	1	2	х	2	3	0	4	х	1	х	х	х	х	0	0	13	6	24	54.2
526 Toberscanavan I, (Markree) Sligo 1 2 x 2 3 0 3 x 1 x x x x x 0 12 6 24 50.0 528 Toberscanavan III (Markree) Sligo 1 1 x 2 3 0 0 x 1 x x x 1 0 9 6 24 37.5 529 Coopershill Sligo 3 1 x 2 0 0 1 x x x x 0 0 8 6 24 33.3 530 Bridge (Coopershill) Sligo 1 1 x 2 0 0 x 1 x x x 1 0 6 24 33.3 530 Bridge (Coopershill) Sligo 1 1 x 2 0 0 x 1 x x 1 0 6 24 25.0		č ()	-	3				-				1	х				0			-		66.7
528Toberscanavan III (Markree)Sligo11x2300x1xxxx10962437.5529CoopershillSligo31x2001x1xxxx00862433.3530Bridge (Coopershill)Sligo11x200x1xxxx10662425.0		()	U	1				-	0			1					0	-		-		50.0
529 Coopershill Sligo 3 1 x 2 0 1 x 1 x x x 0 0 8 6 24 33.3		. ,		1				-	-	-		1					-	-		-		37.5
530 Bridge (Coopershill) Sligo 1 1 x 2 0 0 0 x 1 x x x x 1 0 6 6 24 25.0		. ,	-		-			-				•								-		33.3
		•	-	-				Ũ				1					•					25.0
		3 (1 <i>)</i>	-	-	-			-				1					-			-		37.5
			090		•	~	-	0	Ŭ	U	~	•	~	~	~	~	•	Ŭ	Ũ	Ŭ		0.10

6		10 ⁵	NO.
prings		19 vall	allabi re
' gcote	Missil	Navalues Nava	ailable oloScore

			Vascu			,					Woodlar 18405	005	,		A debis	h, h	000				
				lar plant	ichne w	hess horiz	ion .e	Basal Ar Basal Ar	е ^р . е	•	~	10144	habitate		eature,	, Dear	Woodlar Tuta S	6		6	
				Plant	te iich	. renerio	alDin	asalk	es Ares		Noodia		n habitate	dicalt	<i>lebils</i>	Le teat	Tuta S	ings		Nat av	ilable
			وريا	lai Job	UN. P	Nevs il	unt tive	130	o 	tive	Nº NOS		n'i drol	05,00	yo mn	ao net	1 ^N 18	pt. score	النعم	19 + av	alla score
		Mar. 0	ا ²⁵⁵ 4	\$ ⁶	4 ⁴⁰ 2	40. 2	3 Nat	40.	Are 5	4 ³¹	^ر %" 1	A ⁰ ,	474 ²	NO	M ^{o.}	АП. 2	۲ ¹⁾	چ ^ی 33	Mis	Mar	0\09
Site No.	Woodland Name	Max. Score County	4	3	2	2	3	3	5	3	1	/	1	1	1	2	1	33			100.0
532	Isolated Woodland (Coopershill)	Sligo	1	1	Х	2	0	0	0	х	1	х	Х	Х	Х	1	0	6	6	24	25.0
533	Coolbock Bridge	Sligo	1	1	х	2	3	0	0	х	0	х	х	х	х	1	0	8	6	24	33.3
534	Fidwog	Sligo	4	2	х	2	3	0	2	х	1	х	х	х	х	1	0	15	6	24	62.5
535	Knocknacross	Sligo	2	2	х	2	3	1	0	х	1	х	х	х	х	1	0	12	6	24	50.0
536	Ardkeeran	Sligo	2	2	х	2	3	0	1	х	0	х	х	х	х	0	0	10	6	24	41.7
537	Closkeybridge	Sligo	1	1	Х	х	Х	0	0	х	0	х	х	Х	х	1	0	3	8	19	N/A
538	Doonsheheen	Sligo	1	1	х	2	3	0	0	х	0	х	х	х	Х	0	0	7	6	24	29.2
539	Annagh (Sligo)	Sligo	1	1	х	2	3	0	1	х	0	х	х	Х	х	0	0	8	6	24	33.3
540	Clonguish (Castle Forbes)	Longford	2	2	х	2	3	1	4	х	1	х	Х	х	х	0	0	15	6	24	62.5
541	Ballykenny Wood, (Castle Forbes)	Longford	1	1	х	2	3	0	2	х	1	х	Х	х	х	0	0	10	6	24	41.7
542	Annagh (Castle Forbes)	Longford	1	2	х	2	3	1	5	х	1	х	Х	х	х	1	0	16	6	24	66.7
543	Lissagernal (Castle Forbes)	Longford	1	1	х	2	3	0	4	х	1	х	х	х	х	0	0	12	6	24	50.0
544	Gubroe (Castle Forbes)	Longford	3	2	х	2	3	2	4	х	1	х	х	х	х	1	0	18	5	24	75.0
546	Corlehan (Castle Forbes)	Longford	2 1	1	х	2	3	1	3	х	1	х	х	х	х	1	0	14	6	24	58.3
547 549		Longford	1	1	х	2	3	0	4	х	0 1	х	Х	х	х	0	0	11	6	24	45.8
548 549	Big Wood (Laois)	Laois	1	1 1	x	X	x	0	1 3	x	1	x	X	X	x	0 0	0 0	4 7	8 8	19 19	N/A N/A
549 550	Kylebeg Coolcor North	Laois Offaly	1	2	x x	х 2	х З	1 0	0	x	0	x	X	x x	x	0	0	8	о 6	24	33.3
550 551	Srah	Offaly	1	2	x	2	3	0	0	x x	0	X X	x x	x	x x	0	0	8	6	24 24	33.3
552	Woodfield House	Offaly	2	2	x	2	3	0	2	x	1	x	x	x	x	0	0	12	6	24	50.0
553	Woodfield Bog South	Offaly	1	2	x	2	3	0	0	x	0	x	x	x	x	0	0	8	6	24	33.3
554	Toberdaly	Offaly	1	2	x	2	2	0	1	x	0	x	x	x	x	0	0	8	6	24	33.3
555	Tara	Offaly	2	2	x	2	3	0	0	x	0	x	x	x	x	0	0	9	6	24	37.5
556	Balleek Beg	Offaly	2	2	x	2	3	3	1	x	1	x	x	x	x	0 0	0	14	6	24	58.3
557	Ballynamona	Offaly	1	2	x	2	3	1	3	x	0	x	x	x	x	0	0	12	6	24	50.0
558	Clonearl Demesne	Offaly	3	2	x	2	3	0	1	x	1	x	x	x	x	0	0	12	6	24	50.0
559	Killesh	Offaly	3	3	x	2	1	1	0	x	1	x	x	x	x	0	0	11	6	24	45.8
560	Coole East	Offaly	1	2	х	2	3	1	0	х	0	х	х	х	х	0	0	9	6	24	37.5
561	Clonlack	Offaly	2	3	х	2	3	1	1	х	0	х	х	х	х	0	0	12	6	24	50.0
562	Doory Northwest	Offaly	2	1	х	2	3	1	0	х	0	х	х	х	х	0	0	9	6	24	37.5
563	Clara Bog (Margin)	Offaly	1	2	х	2	3	1	2	х	1	х	х	х	х	0	0	12	6	24	50.0
564	Bracklin Big	Offaly	2	2	х	2	3	2	1	х	1	х	х	х	х	0	0	13	6	24	54.2
565	Fairfield	Offaly	1	1	х	2	3	0	0	х	0	х	х	х	х	0	0	7	6	24	29.2
566	Derrygrogan Little	Offaly	1	2	х	2	3	0	1	х	0	х	х	х	х	0	0	9	6	24	37.5
567	Rathdrum	Offaly	2	2	х	2	3	0	1	х	0	х	х	х	х	0	0	10	6	24	41.7
568	Cavemount	Offaly	1	2	х	2	3	0	0	х	0	х	х	х	х	0	0	8	6	24	33.3
569	Derryesker/Boley Beg Callows	Offaly	3	2	х	2	3	1	1	х	0	х	х	х	х	0	0	12	6	24	50.0
570	Ballyduff Wood	Offaly	1	2	х	2	3	0	3	х	1	х	х	х	х	0	0	12	6	24	50.0
571	Moleen	Offaly	1	2	х	2	3	0	1	х	1	х	Х	х	х	0	0	10	6	24	41.7

	values	ilable
Missin	Navalues Nava	allable

																	x				
			Vascu		05 ⁵						Woodlant 18405	085	,		Ndebris ,	N	000				
				Bryop	ichne w	hess horizo	untal Dive	reity .	ê	6	~	14×	n habitate		eature,	, Dear	Woodan Tuta S	6		6	
				plant	retici	enero	alDiv	asalA	especies		100dia		n habitate	dicaly	lebris	, e teatr	Noodlar Tuta S	ings		Nat av	ilable
			دن	1 ³¹ .09	UN. P	100 il	unit ive	A. 30	ຂ້	ve	N .05	. 5	n hi wol	o ⁰ ,0	No. an	adu net	N . 6	score	sin	() _ 3 ¹	aila oloscore
			135	BIN	410°	HOI	Mar	Hor	Ares	Har.	18hr	ADI	440	Not	War	Anti	THE	SCO	Miss	Mar	0/050
Cite No.	Weedland Name	Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
Site No. 572	Woodland Name	County	1	2	v	2	3	0	0	v	0	v	X	v	V	0	0	8	6	24	33.3
572	Tipperary Peat Bog Ballycommon Grand Canal	Offaly Offaly	2	2	x x	2	3	0	2	x x	0	X X	x x	x x	x x	0	0	o 11	6	24 24	33.3 45.8
573 574	Charleville South	Offaly	4	3	x	2	3	2	5	x	1	x	x	x	x	1	0	21	6	24	43.0 87.5
575	Charleville North	Offaly	4	2	x	2	3	0	5	x	1	x	x	x	x	0	0	17	6	24	70.8
576	Charleville Brookfield	Offaly	3	2	x	2	3	0	3	x	1	x	x	x	x	0	0	14	6	24	58.3
577	Charleville Killeska	Offaly	3	3	x	2	3	1	3	x	1	x	x	x	x	0	0	16	6	24	66.7
578	Hand's Wood	Offaly	3	2	х	2	3	1	4	х	1	х	х	х	х	0	0	16	6	24	66.7
579	Big Wood (East Offaly)	Offaly	3	2	х	2	3	1	1	х	1	х	х	х	х	0	0	13	6	24	54.2
580	Annagharvey Central	Offaly	2	2	х	2	3	0	1	х	0	х	х	х	х	0	0	10	6	24	41.7
581	Meelaghans	Offaly	1	2	х	2	3	1	3	х	0	х	х	х	х	0	0	12	6	24	50.0
582	Hara's Hill	Offaly	2	3	х	2	3	1	2	х	1	х	х	х	х	0	0	14	6	24	58.3
583	Derrygolan North	Offaly	1	2	х	2	3	1	1	х	0	х	х	х	Х	0	0	10	6	24	41.7
584	Cloncon	Offaly	2	2	х	2	2	1	1	х	0	Х	х	х	Х	0	0	10	6	24	41.7
585	Ballaun Stone	Offaly	1	2	х	2	3	1	0	Х	0	х	х	х	х	0	0	9	6	24	37.5
586	Shanvally	Offaly	1	2	х	2	3	1	1	х	1	х	х	х	Х	0	0	11	6	24	45.8
587	Ross/Shanvally	Offaly	1	2	х	2	3	0	1	х	1	Х	х	х	Х	0	0	10	6	24	41.7
588	Derrygolan East	Offaly	3	2	х	2	3	0	0	х	0	х	х	х	х	0	0	10	6	24	41.7
589	Coolagary	Offaly	1	2	х	2	3	0	2	х	0	х	Х	х	х	0	0	10	6	24	41.7
590	Garbally	Offaly	1	2	х	2	0	1	0	х	0	х	х	х	х	0	0	6	6	24	25.0
591	Pallas Lough	Offaly	3	2	х	2	3	1	2 1	х	1	х	х	х	х	0	0	14	6	24	58.3
592 593	Killeigh Townland	Offaly Offaly	4 3	2 3	x	2 2	3 3	2 2	1	x	0 0	x	X	x	X	0 0	0 0	14 14	6 6	24 24	58.3 58.3
593 594	Graigue North Graigue South	Offaly	3 2	3 2	X X	2	3 2	2	1	x x	1	x x	x x	x x	x x	0	0	14	6	24 24	50.3 50.0
595	Derryad South	Offaly	1	2	x	2	3	1	1	x	0	x	x	x	x	0	0	10	6	24	41.7
596	Derryad Northeast	Offaly	2	1	x	2	3	0	0	x	1	x	x	x	x	1	0	10	6	24	41.7
597	Lugamarla South	Offaly	1	2	x	2	3	0	0	x	1	x	x	x	x	0	0	9	6	24	37.5
598	Annaghmore West	Offaly	1	2	x	2	0	0	1	x	1	x	x	x	x	0	0	7	6	24	29.2
599	Mount Bolus South	Offaly	1	2	x	2	3	0	2	x	0	x	x	x	x	0	0	10	6	24	41.7
600	Annaghbrack Glebe	Offaly	1	2	х	2	1	0	2	х	0	х	х	х	х	0	0	8	6	24	33.3
601	Annaghmore House	Offaly	2	1	х	2	0	0	1	х	1	х	х	х	х	0	0	7	6	24	29.2
602	Cush Upper NW	Offaly	1	2	х	2	3	0	0	х	0	х	х	х	х	0	0	8	6	24	33.3
603	Annaghmore / Lough Fen East	Offaly	1	2	х	2	3	0	1	х	0	х	х	х	х	0	0	9	6	24	37.5
604	Woodenbridge	Offaly	1	2	х	2	3	0	1	х	0	х	х	х	х	0	0	9	6	24	37.5
605	All Saint's Bog	Offaly	1	2	х	2	0	0	3	х	0	х	х	х	х	1	0	9	6	24	37.5
606	Clara Bog (Central)	Offaly	1	1	х	2	3	0	0	х	0	х	х	х	х	1	0	8	6	24	33.3
607	Cloonshanville	Roscommon	1	2	х	2	3	0	0	х	0	х	х	х	х	1	0	9	6	24	37.5
608	Park Hill	Laois	1	2	х	х	х	0	4	х	1	х	х	х	х	0	0	8	8	19	N/A
610	Tipping Hill	Louth	4	2	1	1	2	1	5	0	1	0	1	1	1	0	0	20	0	33	60.6
612	Rathscar Lake	Louth	3	1	2	2	2	1	3	1	1	0	1	1	1	0	0	19	0	33	57.6

Bryophyle lichness

	WPes			debris .	Cead WC	oo 6	
and		hydrol	dicalfe	debris Namme	de teatur Annet	es odlar	d in ^{g5}
5	Adilsin	thydrol	Noodi	Manne	Annet	Noodia.	pr. score
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e	1	19 ¹ . 3 ¹	ailterore
	MISS	Mat	all score
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			V85CU		ness	6					Woodlar 18405	(UPES			Nanne Nanne	30 M					
				x	nyte richt Free P	Ress Regenerative	Jon le	Basal Ar	e ⁹ .e	•		6 [°] ,	habitate Hydrol	, ₆ 6	atul. ×	Der "	Woodlast Tuta	<i>'9</i>		.9	
				olan	*etici	enerc	Dis	salt	coect.		100dic		abita	ical	epris	, teat	100dic	prings Score		Nat av	lable
			ربي الاير		6. R. 8	e95 .10	inte ne	80 10	¢,	e	Nº 29	لاج	11. 19	0 ⁰ . 8	No ² n	ade at	Nº G	pti e		19 24	alla score
			V350	BINO	' free	HOLIN	Natin	Nota	Areo	Nativ	1840	Adi	4401	NOO	Marn	Anne	TUTO	Score	MISS	Mat	ologon and a
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33	·	•	100.0
Site No.	Woodland Name	County																			
613	Cornamucklagh (Louth)	Louth	1	1	0	0	1	0	3	0	1	1	1	1	0	0	0	10	0	33	30.3
614	Corratober	Cavan	3	2	2	0	3	0	3	1	0	1	1	1	1	0	0	18	0	33	54.5
617	Garthylough	Cavan	2	2	2	0	3	0	1	1	1	0	1	0	0	0	0	13	0	33	39.4
618	Enaghan	Longford	3	3	2	0	3	0	3	2	0	1	1	1	1	0	0	20	0	33	60.6
619	Lisraherty	Longford	3	2	2	0	3	0	2	1	0	1	1	1	0	0	0	16	0	33	48.5
621	Skeagh	Cavan	2	3	2	0	3	0	3	2	0	0	1	1	1	0	0	18	0	33	54.5
622	Anaverna	Louth	1	1	0	2	3	0	0	0	1	0	0	0	0	1	0	9	0	33	27.3
625	Cruicetown Wood	Meath	3	2	1	1	3	0	1	1	1	0	1	1	1	0	0	16	0	33	48.5
629	Puckstown	Louth	2	1	2	2	1	0	3	0	1	0	1	1	1	0	0	15	0	33	45.5
631	King William's Glen	Louth	4	1	2	2	2	0	3	1	1	0	1	1	1	0	0	19	0	33	57.6
632	Beaulieu	Louth	3	1	1	1	2	0	4	1	1	0	1	1	1	0	0	17	0	33	51.5
639	Ravensdale Park	Louth	2	2	0	1	1	0	1	0	1	0	1	0	1	0	0	10	0	33	30.3
640	Red Bog	Louth	3	2	2	0	3	0	4	1	0	1	1	0	1	0	0	18	0	33	54.5
643	Woodpole Fox Covert	Meath	2	1	1	0	0	0	0	0	0	0	0	0	1	0	0	5	0	33	15.2
644	Fortland	Cavan	2	2	2	1	3	0	1	0	1	0	1	1	1	0	0	15	0	33	45.5
645	Crover	Cavan	3	2	2	1	3	0	1	1	1	0	1	0	1	0	0	16	0	33	48.5
647	Garrysallagh	Cavan	4	2	2	0	3	1	2	1	0	1	1	1	0	1	0	19	0	33	57.6
648	Mulrick	Cavan	4	2	2	0	3	1	2	1	0	0	1	1	1	1	0	19	0	33	57.6
649	Cornamucklagh (Cavan)	Cavan	2	2	2	0	3	0	3	1	0	1	1	0	1	0	0	16	0	33	48.5
650	Carricknaveddan	Cavan	2	2	2	0	1	0	1	1	0	0	1	0	1	0	0	11	0	33	33.3
652	Duncollog	Cavan	4	2	2	1	3	0	2	1	1	0	1	1	1	1	0	20	0	33	60.6
654	Shinan	Cavan	3	2	1	1	3	0	1	1	1	1	1	1	0	1	0	17	0	33	51.5
655	Darkley	Cavan	3	2	1	1	0	0	1	1	1	1	1	1	1	0	0	14	0	33	42.4
656	Lisdoagh	Cavan	1	2	2	0	3	0	1	1	0	1	1	1	0	0	0	13	0	33	39.4
657	Drumlumman	Cavan	1	2	2	0	3	0	1	1	0	1	1	1	0	0	0	13	0	33	39.4
658	Knockbride	Cavan	1	1	0	2	3	0	2	1	0	1	1	1	0	0	0	13	0	33	39.4
660	Cullies	Cavan	4	3	1	0	3	0	2	2	0	1	1	1	1	0	0	19	0	33	57.6
661	Derrynure	Cavan	2	2	2	0	3	0	3	1	0	1	0	1	1	0	0	16	0	33	48.5
664	Townley Hall	Louth	1	2	1	2	2	0	1	0	1	1	1	1	1	0	0	14	0	33	42.4
668	Louth Hall	Louth	3	2	2	0	2	0	2	1	1	0	1	0	0	0	0	14	0	33	42.4
670	Clondalee More	Meath	4	2	2	1	3	0	4	3	0	1	1	0	0	1	0	22	0	33	66.7
671	Crossantown	Meath	2	2	2	1	2	0	3	0	1	0	0	1	1	0	0	15	0	33	45.5
672	Castletowncooly	Louth	3	2	1	0	3	0	0	1	0	1	1	0	1	0	0	13	0	33	39.4
675	Coragh	Cavan	2	2	2	0	3	1	2	1	0	1	1	1	0	1	0	17	0	33	51.5
676	Cornagee	Cavan	2	1	0	0	3	0	1	1	1	0	1	1	0	0	0	11	0	33	33.3
678	Carracloghan	Louth	1	2	2	0	3	0	1	1	0	0	1	1	0	0	0	12	0	33	36.4
679	Collon	Louth	3	2	1	0	3	0	4	2	1	0	1	1	1	0	0	19	0	33	57.6
680	Toomes	Louth	3	2	2	0	3	0	2	1	0	1	1	0	0	0	0	15	0	33	45.5
681	Muff (Louth)	Louth	2	2	2	0	3	0	1	1	0	0	1	1	1	0	0	14	0	33	42.4
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5	Adisi	habitate	Nood	Mann	ao Annet	Noodia.	escore	•
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			V85CU		ness						Woodlant 18405	upes	habitate		.e ⁵	20 M	5				
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			.3	at o	We &	ede 10	untar le	Bar N	્રે	,e	W ^O . 6	و ا	nho ol	,0 ^{01.} N	یم ^{عو} د	ade at	Nº S	p ^{rin} .		19 ¹ 4	alla score
			Vasc	STYOT	LIVER .	HOUL	Natin	Notar	A1eo	Natin	18405	adis	LNOR	NOOL	Mann	anne	~uta	score	MISSI	Mato	Sco
		Max. Score	4	3	2	2	3	3	5	3	1	`1	1	1	1	2	1	33	•	•	100.0
Site No.	Woodland Name	County		-			-	-	-	-											
683	Phillipstown	Louth	2	2	2	1	0	1	1	0	1	0	1	0	0	0	0	11	0	33	33.3
685	Annagh (Meath)	Meath	2	2	2	0	0	1	4	1	1	0	0	1	0	0	0	14	0	33	42.4
686	Rock Wood	Meath	1	2	2	0	3	0	0	1	0	0	0	1	0	0	0	10	0	33	30.3
687	Thomastown Bog	Meath	2	3	2	1	3	0	4	1	1	1	1	1	0	0	0	20	0	33	60.6
688	Grove Island	Meath	4	2	1	1	3	0	3	2	0	0	1	1	0	1	0	19	0	33	57.6
691	Billis	Cavan	3	2	2	1	2	0	1	1	0	1	0	0	1	1	0	15	0	33	45.5
693	Beagh Blebe	Cavan	2	2	1	0	3	0	0	1	0	0	1	1	1	0	0	12	0	33	36.4
694	Carricknaveagh	Cavan	4	2	2	0	3	1	1	1	0	0	1	0	1	0	0	16	0	33	48.5
695	Annagharnet	Cavan	1	2	2	1	3	0	1	1	0	1	1	0	1	0	0	14	0	33	42.4
696	Kill	Cavan	1	2	2	0	3	0	2	1	0	1	0	0	1	0	0	13	0	33	39.4
698	Carrigan	Cavan	1	2	2	0	3	0	1	1	0	1	1	0	1	0	0	13	0	33	39.4
699	Flemingstown East	Meath	4	2	2	2	3	1	4	2	1	0	1	1	1	0	0	24	0	33	72.7
701	Greenan North	Meath	2	3	2	1	3	1	3	1	1	0	0	1	1	0	0	19	0	33	57.6
702	Rahinstown	Meath	1	2	0	1	3	0	3	1	1	0	1	1	1	0	0	15	0	33	45.5
703	Glenmore Fox Covert	Meath	4	1	2	1	3	0	4	0	1	0	1	1	1	0	0	19	0	33	57.6
704	Bog Woods	Meath	1	2	2	0	3	0	0	1	1	1	1	0	1	0	0	13	0	33	39.4
705	Burtonstown	Meath	1	2	2	0	3	0	1	1	1	0	1	1	1	0	0	14	0	33	42.4
707	Ardsallagh	Meath	3	2	2	1	0	1	3	0	1	0	1	1	1	0	0	16	0	33	48.5
711	Derrysheridan	Meath	2	1	2	0	3	1	1	2	1	1	1	1	0	0	0	16	0	33	48.5
713	Drive Wood	Meath	2	1	2	0	3	0	1	0	1	0	0	1	1	0	0	12	0	33	36.4
715	Balrath	Meath	1	2	2	2	3	0	3	2	1	0	1	1	1	0	0	19	0	33	57.6
718	Birdhill	Meath	3	2	1	1	3	0	2	1	1	0	1	1	1	0	0	17	0	33	51.5
724	Brittas (Meath)	Meath	3	2	2	1	2	0	4	0	1	1	1	1	1	0	0	19	0	33	57.6
726	Knightstown	Meath	3	3	2	1	3	0	3	2	1	0	1	1	1	0	0	21	0	33	63.6
727	Culnagore Wood	Longford	3	3	2	2	3	0	4	1	1	1	1	1	1	0	0	23	0	33	69.7
728	Coolamber	Longford	3	2	1	2	3	0	3	1	0	1	1	0	1	0	0	18	0	33	54.5
729	White Sand Wood	Longford	2	2	2	0	3	2	3	1	0	1	1	1	1	1	0	20	0	33	60.6
730	Clonbroney	Longford	2	2	2	0	3	0	1	1	0	1	1	1	1	0	0	15	0	33	45.5
731	Windmill Wood	Longford	3	2	2	1	2	1	2	1	0	1	1	1	0	1	0	18	0	33	54.5
732	Abbeyderg	Longford	3	2	2	0	3	2	3	1	0	1	1	0	1	0	0	19	0	33	57.6
733	Corrabola	Longford	3	2	2	1	3	0	3	2	1	0	1	0	1	0	0	19	0	33	57.6
734	Lislea	Longford	3	2	0	0	3	0	3	1	0	1	1	0	1	0	0	15	0	33	45.5
735	Larkfield	Longford	4	3	2	0	3	0	2	1	1	0	1	0	0	1	0	18	0	33	54.5
736	Cleraun	Longford	4	2	2	1	0	0	3	1	0	1	1	1	1	0	0	17	0	33	51.5
737	Newcastle West	Longford	2	2	0	1	1	0	3	0	1	1	0	1	0	0	0	12	0	33	36.4
738	Greenan South	Meath	1	3	2	0	3	1	1	2	1	0	1	1	1	0	0	17	0	33	51.5
742	Isaacstown North	Meath	2	2	2	0	3	0	0	1	0	0	1	1	1	0	0	13	0	33	39.4
743	Isaacstown South	Meath	1	2	2	2	1	0	2	1	0	0	0	1	1	0	0	13	0	33	39.4
745	Jamestown	Meath	2	2	1	0	3	0	3	1	0	1	1	1	1	0	0	16	0	33	48.5

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ratif	or live	Basal A'	especie Area	3	Woodlar 18405	6131	n habitat	s Nood	N debris	Deal Leteat	Woodlar Woodlar	nd tings	
,10r	Native	Notab	e Area	Wative	18405	Adis	n'tydro	Nood	Wann	Anne	Tuta	Score	.,

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			Vascul		ness						Woodlant 18405	upes	habitate Hydrol		,e ⁵	20 M	0				
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Site No.	Woodland Name	County		0	-	-			0							-		00			100.0
746	Baltynanima	Wicklow	4	3	1	2	3	0	5	3	1	1	1	1	1	2	0	28	0	33	84.8
747	Breakey	Meath	2	3	2	0	3	0	3	1	0	1	1	1	0	1	0	18	0	33	54.5
748	Molerick	Meath	3	2	2	1	3	0	2	2	0	1	1	1	1	0	0	19	0	33	57.6
749	Tomnafinnoge	Wicklow	4	2	1	2	3	0	5	1	1	1	1	0	1	1	0	23	0	33	69.7
750	Newcastle East	Longford	1	2	2	1	2	0	2	0	1	1	0	1	0	0	0	13	0	33	39.4
751	Newcastle South	Longford	1	2	2	1	2	0	2	0	1	0	0	0	0	0	0	11	0	33	33.3
752	Yellow Island	Meath/Louth	3	1	2	0	0	0	3	1	0	1	1	1	0	1	0	14	0	33	42.4
753	Tree Island	Meath	2	1	1	0	3	0	1	1	1	1	1	0	0	0	0	12	0	33	36.4
756	Summerhill Demesne	Meath	1	1	1	1	1	0	1	1	1	0	0	0	1	0	0	9	0	33	27.3
757	Ballymurphy	Meath	1	1	2	1	3	0	1	0	0	0	0	0	0	0	0	9	0	33	27.3
760	Harristown (Meath)	Meath	1	1	2	1	3	0	1	1	0	0	0	1	1	0	0	12	0	33	36.4
762	Summerhill Lower	Meath	1	1	2	1	3	0	1	1	0	0	0	1	1	0	0	12	0	33	36.4
763	Milltown Glen	Meath	4	2	1	0	3	2	3	1	1	0	1	1	1	0	0	20	0	33	60.6
765	Newcastle	Meath	3	2	1	0	3	0	1	1	0	1	1	0	0	0	0	13	0	33	39.4
766	Drumard	Longford	1	2	1	0	2	0	2	1	0	1	1	0	1	0	0	12	0	33	36.4
767	Kiltyclogh	Longford	1	3	0	2	2	1	2	1	1	1	1	1	1	1	0	18	0	33	54.5
768	Forgney	Longford	2	2	1	1	3	0	2	1	0	1	1	0	0	0	0	14	0	33	42.4
769	Kilcommock Glebe	Longford	3	2	2	1	3	1	2	1	1	0	0	0	1	0	0	17	0	33	51.5
770	Glenmore	Longford	2	2	2	0	3	0	2	1	0	1	0	0	0	0	0	13	0	33	39.4
771	Golaroe	Longford	4	3	2	0	3	1	2	2	1	1	1	1	1	0	0	22	0	33	66.7
773	Kiltyreher North	Longford	2	2	2	0	3	0	2	1	1	1	0	0	1	0	0	15	0	33	45.5
774	Cornahoo	Longford	2	2	2	0	3	0	2	1	0	1	0	0	1	0	0	14	0	33	42.4
775	Derrybawn	Wicklow	3	2	1	2	3	0	4	1	1	1	1	1	1	1	0	22	0	33	66.7
776	Castlehoward	Wicklow	4	3	2	2	2	3	4	1	1	0	1	0	1	1	0	25	0	33	75.8
777	Glen of the Downs	Wicklow	4	3	2	1	3	3	5	2	1	1	1	1	1	1	0	29	0	33	87.9
779	Shelton North	Wicklow	4	2	0	2	3	0	4	2	1	1	1	1	1	1	0	23	0	33	69.7
780	Luggala Lodge	Wicklow	3	3	0	1	3	0	4	1	1	1	1	1	1	1	0	21	0	33	63.6
781	The Devil's Glen	Wicklow	4	3	2	1	3	2	4	2	1	1	1	1	1	1	0	27	0	33	81.8
783	Deputy's Pass	Wicklow	4	3	2	1	3	3	4	1	1	1	1	1	1	1	0	27	0	33	81.8
784	Oldboleys	Wicklow	1	3	1	0	3	0	4	1	1	1	1	1	1	1	0	19	0	33	57.6
785	Castlekevin	Wicklow	4	3	0	1	3	0	4	2	1	0	1	1	1	1	0	22	0	33	66.7
786	The Giants Cut & Lugduff	Wicklow	3	3	2	2	3	0	4	2	1	1	1	1	1	1	0	25	0	33	75.8
789	Knocksink	Wicklow	4	3	2	2	3	3	4	2	1	1	1	0	1	1	1	29	0	33	87.9
791	Kilmacrea Wood	Wicklow	1	3	1	0	3	3	4	1	1	1	0	0	1	1	0	20	0	33	60.6
792	Powerscourt Demesne North	Wicklow	2	2	1	1	1	0	2	0	1	0	1	1	1	0	1	14	0	33	42.4
793	Altidore Demesne	Wicklow	4	3	0	2	3	0	3	2	1	1	1	1	1	2	0	24	0	33	72.7
796	Ballyarthur	Wicklow	1	2	2	2	3	0	1	1	1	0	0	1	0	1	0	15	0	33	45.5
798	Kiltimon	Wicklow	3	2	0	1	3	0	3	0	1	0	1	0	1	1	0	16	0	33	48.5
799	Ballinagee Wood	Wicklow	1	2	0	1	3	0	1	1	0	1	1	1	1	1	0	14	0	33	42.4

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			Vascul		5							Adis"			6	Dead W	0 ⁰ 0				
				Bryop	chnes	egenerative Horizo	haive	Basal Ar	ð.			o TYPE	habitate		atures	Dead	, e ^{rg}	6			
				ant	, ich	Nº nerat	, Dive	Basal Ar	ecie	9	diar	N°	habitate Hydrol	, the	" his	Dead Innet	diar odlar	prings Score		Nat av	alable
			3	at P.	N ^{te} o	eder .	intal	Bas	e Sy	.0	Not		hard	iogil an	der	ade i	WOL C	prints		19 ¹⁰ ~	allar are
			Vascu	Bryot	410°	HOTIZ	Native	Notar	Area	Nativ	18403	Adis	Hydre	WOOL	Mann	Anne	TUTA	score	MISSI	Mato	allar oloscore
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33	•	•	100.0
Site No.	Woodland Name	County																			
800	Powerscourt Demense South	Wicklow	4	2	2	0	3	1	3	0	1	1	1	0	1	0	0	19	0	33	57.6
801	Brockagh	Wicklow	1	3	2	0	2	0	2	0	1	0	1	0	1	1	0	14	0	33	42.4
802	Ballinanty	Wicklow	4	3	2	0	3	0	3	3	1	1	1	0	1	0	0	22	0	33	66.7
805	Drumbaun	Longford	1	3	2	1	1	0	1	1	0	1	1	1	1	0	0	14	0	33	42.4
806	Kiltycreevagh	Longford	1	2	2	0	3	0	1	1	0	1	0	1	1	0	0	13	0	33	39.4
807	Cashel	Longford	2	2	1	1	2	1	1	1	1	1	1	0	1	0	0	15	0	33	45.5
808	Grillagh	Longford	4	2	2	0	3	1	1	2	1	1	1	1	1	0	0	20	0	33	60.6
809	Drumury	Longford	2	2	2	0	3	0	1	0	0	1	1	1	0	0	0	13	0	33	39.4
810	Lehery	Longford	1	2	1	1	3	0	1	1	0	1	0	1	1	0	0	13	0	33	39.4
811	Coolnahinch	Longford	4	2	2	0	3	1	1	2	0	1	1	1	1	0	0	19	0	33	57.6
814	Cronroe	Wicklow	4	3	1	2	3	1	3	2	1	0	1	0	1	1	0	23	0	33	69.7
815	Kilmacanoge South	Wicklow	4	2	1	0	3	0	2	1	0	1	1	1	0	1	0	17	0	33	51.5
818	Ballymacsimon	Wicklow	1	2	1	2	3	0	3	1	1	1	0	0	0	1	0	16	0	33	48.5
819	Brockagh South	Wicklow	2	3	2	2	3	0	2	1	1	1	1	0	1	1	0	20	0	33	60.6
820	Barnbawn	Wicklow	1	2	0	1	3	0	3	1	1	1	0	1	1	1	0	16	0	33	48.5
821	Ballyboy	Wicklow	3	3	2	1	3	0	4	1	1	1	1	0	1	1	0	22	0	33	66.7
822	Ballyross Wood	Wicklow	1	2	1	2	3	0	2	2	0	1	1	1	1	1	0	18	0	33	54.5
826	Newtownmountkennedy Demesne	Wicklow	2	2	0	1	3	0	1	1	1	0	1	0	1	0	0	13	0	33	39.4
827	Glenwood	Wicklow	2	3	0	1	2	0	2	1	1	0	1	1	1	1	0	16	0	33	48.5
828	Ballyman Glen	Wicklow	3	2	1	1	3	1	3	2	0	0	1	1	1	0	0	19	0	33	57.6
829	Ballycurragh	Wicklow	2	2	2	1	2	0	1	1	1	0	1	0	0	0	0	13	0	33	39.4
830	Coolballintaggart	Wicklow	2	2	0	1	3	0	1	1	1	0	0	0	1	0	0	12	0	33	36.4
831	Coolattin	Wicklow	1	2	1	0	3	0	1	1	0	0	0	0	0	1	0	10	0	33	30.3
833	Hollywood Demesne	Wicklow	1	1	0	2	1	0	1	0	1	1	0	0	0	0	0	8	0	33	24.2
834	Poulaphuca Bridge	Wicklow	2	2	2	1	1	0	2	1	1	1	1	1	1	0	0	16	0	33	48.5
835	Mount Jessop	Longford	2	3	1	0	3	0	2	1	0	1	1	1	1	1	0	17	0	33	51.5
837	Derrydaragh	Longford	3	2	2	0	0	0	1	1	0	1	1	1	1	0	0	13	0	33	39.4
838	Dunbeggan	Longford	3	2	2	0	3	0	0	1	0	1	1	0	1	0	0	14	0	33	42.4
840	Hazel Wood	Monaghan	2	1	2	1	3	1	3	1	1	0	1	1	1	0	0	18	0	33	54.5
842	Derrynanamph	Monaghan	2	2	2	0	3	0	3	1	0	1	1	1	1	0	0	17	0	33	51.5
846	Corlat	Monaghan	2	2	2	2	3	0	2	1	1	0	1	1	0	0	0	17	0	33	51.5
848	Island Bridge	Monaghan	2	2	1	1	3	1	2	1	1	1	1	1	0	0	0	17	0	33	51.5
849	Corrybrackan	Monaghan	3	1	2	0	3	0	3	1	0	0	1	1	1	0	0	16	0	33	48.5
852	Tullyglass	Monaghan	3	2	2	1	3	0	2	1	0	0	1	1	1	0	0	17	0	33	51.5
853	Annamarron	Monaghan	4	2	2	0	3	0	2	3	0	0	1	1	0	0	0	18	0	33	54.5
854	Kilmore West	Monaghan	2	2	2	0	3	0	2	1	0	1	1	1	1	0	0	16	0	33	48.5
856	Clohoge	Monaghan	4	2	1	1	3	0	2	2	0	0	1	1	1	0	0	18	0	33	54.5
858	Graffagh	Monaghan	4	3	2	1	3	1	2	2	1	0	1	1	0	0	0	21	0	33	63.6
860	Reduff	Monaghan	4	2	2	1	3	0	2	2	1	0	1	1	1	0	0	20	0	33	60.6

Arnes Woodland Tute Springs score

												6			debris ,	2	0 ⁰⁰				
			Vascu		nyte richt	hess legeneration		Þr.			Woodlan 18405	TYPES	habitate		Wes.	ad W					
				x	ici. m	ness egenerative Horizo	ion ne	Basal Al	es pecies	6		<u>ک</u>	habitate Hydrol	, 4e	all,	, N	Woodan Tuta	,ò		Nat av	
				plan	se iic.	enert	Dir	2531	GREC'		.100die		abitio	dical.	epris	, teat	, loodie	prings Score		Nat av	lable
			, si	Nat o	6×1 8	e95 .10	nte ne	80 10	٥ [,]	e	Nº ~9	لاج	n	0 ⁰ . 8	10°	ade	Nº G	p ^{ri} e	×	6 24	all ofe
			V250	BRYO	64ee	HOTIL	Nativ	Noto	Areso	Nativ	18AU	Adi	4401	W00-	Marn	Anne	TUTS	Score	Miss	Mat	aila oloscore
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33	·	·	100.0
Site No.	Woodland Name	County																			
861	Killygally	Monaghan	1	1	2	0	3	2	1	1	0	1	0	0	1	0	0	13	0	33	39.4
862	Annahaia	Monaghan	1	2	2	1	3	1	1	1	0	0	0	1	1	0	0	14	0	33	42.4
864	Back Wood	Monaghan	3	2	0	2	1	1	1	1	1	0	1	1	1	0	0	15	0	33	45.5
865	Lutrellstown	Dublin	4	2	2	1	3	3	4	0	1	0	0	0	1	0	0	21	0	33	63.6
866	Brooklawn Wood	Dublin	2	1	1	1	2	2	1	0	1	0	1	0	0	0	0	12	0	33	36.4
868	Drumillard Big	Monaghan	1	2	0	0	3	0	1	1	0	1	1	0	0	1	0	11	0	33	33.3
870	Coolawinnia	Wicklow	3	1	1	0	3	0	1	1	0	1	1	1	1	1	0	15	0	33	45.5
871	Blackditch	Wicklow	4	2	2	0	3	0	4	1	1	1	1	1	1	0	0	21	0	33	63.6
872	Seabank	Wicklow	3	2	1	1	3	0	0	1	1	1	1	0	0	1	0	15	0	33	45.5
874	Hollywood Glen	Wicklow	2	2	2	1	3	2	0	1	0	0	1	1	1	1	0	17	0	33	51.5
875	Glennashouk	Wicklow	3	2	2	1	3	0	2	1	0	0	1	0	1	1	0	17	0	33	51.5
876	Roundwood	Wicklow	1	2	0	1	3	0	3	1	1	0	0	1	1	1	0	15	0	33	45.5
881	Howth Demesne	Dublin	1	1	1	2	0	0	3	1	1	1	1	0	1	0	0	13	0	33	39.4
883	Santry Demesne	Dublin	2	1	2	2	1	0	2	0	1	0	1	1	0	0	0	13	0	33	39.4
884	Glenasmole Valley	Dublin	4	3	2	1	3	3	4	3	0	1	1	1	0	0	1	27	0	33	81.8
888	Kilquade	Wicklow	3	2	2	0	3	0	2	1	0 0	0 0	1	0	1	0	0	15	0	33	45.5
892 894	Clonkeen	Wicklow	2	3 2	2	0 0	2	0 0	1 4	1 1	0	1	1	0 0	1 0	0 0	0 0	12 15	0 0	33	36.4 45.5
894 895	Ballyward	Wicklow Wicklow	2	2	2 2	0	2 1	0	4	0	0	0	0	0	1	0	0	10	0	33 33	45.5 30.3
	Deerpark (Wicklow)		3	1	2	2	1	0	4	0	1	1	1	1	1	0	0		0	33 33	30.3 39.4
896 899	Rathsallagh Demense Askakeagh	Wicklow Wicklow	3	2	2	2	3	1	3	2	1	1	1	0	1	2	0	13 23	0	33 33	39.4 69.7
899 902	Mungacullin	Wicklow	2	2	2	0	3 3	0	3 1	2	0	0	1	0	0	2	0	23 12	0	33 33	36.4
902 903	Laragh	Wicklow	2	2	2	1	3	0	2	1	0	1	1	0	0	0	0	15	0	33	30.4 45.5
903 904	Cronelea	Wicklow	3	2	2	1	3	0	1	1	0	0	1	0	1	1	0	16	0	33	48.5
906	Knockraheen	Wicklow	1	2	0	1	3	0	2	1	0	1	1	0	1	0	0	13	0	33	39.4
900 907	Coolkenna	Wicklow	1	2	2	0	3	0	0	1	0	0	1	0	1	0	0	11	0	33	33.3
908	Money Upper East	Wicklow	2	2	2	1	3	0	2	1	0	1	1	0	1	0	0	16	0	33	48.5
909	Money Upper West	Wicklow	1	1	2	1	3	0	2	1	1	0	0	0	1	0	0	13	0	33	39.4
910	Kilruddery Deerpark	Wicklow	2	2	1	1	3	0	3	1	1	0	1	0	1	0	0	16	0	33	48.5
914	Ballinagee	Wicklow	3	2	0	2	3	1	3	1	1	0	1	1	1	0	1	20	0	33	60.6
915	Malahide Demesne	Dublin	1	1	2	1	2	0	1	0	1	Ő	0	1	0	0	0	10	0	33	30.3
916	Newbridge Demesne	Dublin	1	1	2	2	3	0	3	Õ	1	Ő	0 0	1	0	0	0	14	0	33	42.4
917	Pumphouse Wood	Dublin	2	1	1	2	1	0	2	0	1	0	0	1	1	0	0	12	0	33	36.4
918	Loughlinstown Wood	Dublin	4	1	2	2	3	0	0	1	1	0	1	1	1	1	0	18	0	33	54.5
919	Fitzsimons Wood	Dublin	1	1	2	1	3	0	2	1	1	1	1	0	1	1	0	16	0	33	48.5
921	Brackenstown Wood	Dublin	2	1	1	1	1	0	1	0	1	0	1	0	0	1	0	10	0	33	30.3
922	Dunganstown West	Wicklow	4	3	2	1	3	1	3	2	1	0 0	1	1	1	0	0	23	0	33	69.7
923	Ballard Lower	Wicklow	1	2	1	2	3	0	1	1	1	0	1	0	1	1	0	15	0	33	45.5
924	Kelshabeg	Wicklow	2	2	1	2	3	0	2	2	0	1	0	0	1	1	0	17	0	33	51.5
	÷																				

		values	ilable
s	Missif	Natues Maxa	ait score

Cita Na W	'oodland Name rooksling Glen	Max. Score	V85CU	Bryoph	ichness Nericht Free P	hess egenerative Horizo	ntal Diver	Basal Are Notable	³⁰ . 5		Noodland 18405	TYPES	habitats Hydrolc		debris ,	Deadw	Noodlan Tuta St	8			
Cite No. W			Vascu	at plant	ichnes icht	ness nerati	on Diver	Sity Are	3 ⁹	,	2	TYPE			atures	Dead .	e ⁵	8			
Cite No. W			Vascu	ar plant	N ^{te} rich	deneral	, Dine	'A, '	.0.												
Cite No. W			Vascul	arvop	NIE P	-0 ⁶		60) 1	. Decile		-odlal.	•	habitats Hydrol	Calte	b ^{ils *}	teatu	Noodlan Tuta St			Natues Maxava	ple
Cite No. W			V35C	adjor		<u>د محمد</u>	N ^{tal} .e	325 N	ух SX	,e	No	2	har	JOIL M	Set Vs	be .	WO ST	prins.		3 22°	oloscore
Cite No. W				v .	610 ⁰⁰	HOTIZ	Native	Notar	Area	Native	18405	Adis	Hydre	NOOL	Mann	Anne	TUTO	score	MISSI	Mato	ologic
Cite Ne W			4	3	2	2	3	3	`5	3	1	`1	1	1	1	2	1	33	•	•	100.0
Site No. We	rooksling Glen	County																			
925 Cr		Dublin	2	2	1	1	1	0	2	0	1	1	1	1	1	0	0	14	0	33	42.4
927 Do	onadea Forest Park	Kildare	3	2	2	2	2	0	5	1	1	0	1	1	1	0	0	21	0	33	63.6
	ackwood	Dublin	2	1	1	2	1	0	1	0	1	0	0	1	1	0	0	11	0	33	33.3
	alcarrick	Dublin	1	1	2	1	0	0	1	0	1	0	0	1	0	0	0	8	0	33	24.2
	ush Demesne	Dublin	3	1	0	1	0	0	1	0	1	0	1	0	0	0	0	8	0	33	24.2
	ray Head Woodland	Wicklow	3	2	2	1	2	0	1	0	1	1	1	1	1	0	0	16	0	33	48.5
	arton Demense	Kildare	4	2	1	2	1	1	4	1	1	1	1	1	1	0	0	21	0	33	63.6
	Iteel Wood	Kildare	1	2	0	1	2	0	2	1	1	1	0	0	1	0	0	12	0	33	36.4
	arbury Wood	Kildare	2	2	2	1	3	0	2	1	0	1	0	1	1	0	0	16	0	33	48.5
	emplelyon Lower	Wicklow	3	3	2	0	3	0	0	1	0	0	1	1	1	0	0	15	0	33	45.5
	ahaval	Wicklow	1	2	2	2	3	0	0	1	1	0	0	0	1	0	0	13	0	33	39.4
	ussellswood	Kildare	3	2	0	1	2	0	4	0	1	0	1	0	1	0	0	15	0	33	45.5
	ahin Wood (Kildare)	Kildare	4	2	2	1	3	0	4	2	1	1	1	0	1	1	0	23	0	33	69.7
	Icarra West	Wicklow	3	3	2	2	3	0	4	2	1	1	1	0	1	1	0	24	0	33	72.7
	vondale	Wicklow	2	2	2	1	1	0	1	1	1	0	1	0	1	1	0	14	0	33	42.4
	raigue	Wicklow	1	2	2	0	3	0	2	1	0	0	1	0	1	0	0	13	0	33	39.4
	ddancoyle	Wicklow	2	2	2	1	3	0	2	1	0	0	1	1	1	0	0	16	0	33	48.5
	nockloe	Wicklow	1	1	0	1	1	0	1	1	1	1	0	0	1	1	0	10	0	33	30.3
	llinthomas Wood	Kildare	3	2	0	0	3	0	4	0	1	1	0	1	1	0	0	16	0	33	48.5
	allymore Eustace	Kildare	3	1	1	1	1	0	2	0	1	0	0	1	0	0	0	11	0	33	33.3
	ullaghreelan Wood	Kildare	1	2	1	0	2	0	2	0	0	1	0	0	0	0	0	9	0	33	27.3
	rehid Wood	Kildare	1	2	2	1	3	0	3	2	0	1	0	1	1	0	0	17	0	33	51.5
	uckerstown	Kildare	1	2	2	0	3	0	1	1	0	0	0	1	0	0	0	11	0	33	33.3
	erryvullagh Island	Kildare	1	1	0	1	3	1	2	2	1	1	0	1	1	0	0	15	0	33	45.5
	oods	Kildare	1	2	0	1	3	0	0	1	0	1	1	1	0	0	0	11	0	33	33.3
	oyal Oak	Kildare	2	2	2	0	3	0	2	1	0	1	0	1	1	0	0	15	0	33	45.5
	ollardstown Wood	Kildare	1	2	1	1	3	0	0	1	0	1	1	1	1	0	0	13	0	33	39.4
	ewbridge School Wood	Kildare	3	1	1	1	0	0	0	1	0	0	1	1	0	1	0	10	0	33	30.3
	reatconnell	Kildare	3	1	2	2	3	0	2	1	1	1	1	0	0	0	0	17	0	33	51.5
	oolbeg	Wicklow	2	2	1	0	3	0	2	1	0	1	1	1	1	0	0	15	0	33	45.5
•	gh Park Upper	Wicklow	2	2	2	0	2	0	2	1	1	0	1	1	1	0	0	15	0	33	45.5
	anger Wood	Wicklow	2	2	1	1	3	0	1	2	1	0	1	0	1	1	0	16	0	33	48.5
	Imullin	Wicklow	2	2	2	1	1	0	1	1	0	0	1	0	0	0	1	12	0	33	36.4
	oney	Wicklow	2	2	1	0	3	0	1	2	0	0	1	1	1	0	0	14	0	33	42.4
	oolinarrig Lower	Wicklow	3	1	0	1	3	0	0	1	0	1	1	0	1	0	0	12	0	33	36.4
	arrigeenduff	Wicklow	3	3	1	1	3	1	2	1	0	1	1	0	1	0	0	18	0	33	54.5
	thewer	Wicklow	2	2	1	1	3	0	1	1	1	1	1	0	1	0	0	15	0	33	45.5
	lendarragh	Wicklow	3	3	2	1	2	0	1	1	0	0	1	0	1	0	0	15	0	33	45.5
1003 Ca	astletown	Kildare	3	1	2	0	3	1	3	1	1	0	1	0	1	0	0	17	0	33	51.5

		values	lable
5	Missin	Q Values Max at	all score

			Vascul		S						Woodlar 18405		,		Hamn	, N	0 ⁰ 0				
				Bryop	ichne"	hess horizo	or	Basal Av	ê a		_	orype	n habitate		atures	Dead ade teatur	e ⁵⁵	6			
				ant	i dich	I. neral	, Dine	al A	es pecies	•	odiar	<u>N</u> -	n habitate	, all	s" his'	' teatu	odiat	prinos Score		Nat av	ble
			3	lat P.	N ^{te} o	eder .	ntal	B92.	e Sy	.0	NOS		n ^{hat}	ogic m	1 der a	20° 1	WOL C	print		19 ¹⁰ 1	ailar oloscore
			Nasch	aryor	LIEE)	JOIIZ	watin	Notal	Area	Native	18405	, dis	, war	NOOD	Mann	anne	TU12	score	Missi	Matio	Sco
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33	v	v	100.0
Site No.	Woodland Name	County		-			-	-	-	-											
1004	Ballycullane	Kildare	2	2	2	1	1	0	0	0	0	0	1	0	1	0	0	10	0	33	30.3
1005	Foxhill	Kildare	1	2	2	0	3	0	1	1	0	0	1	0	1	0	0	12	0	33	36.4
1006	Kildangan	Kildare	2	2	2	0	3	0	3	2	1	0	0	0	0	1	0	16	0	33	48.5
1007	Mitchels Wood	Kildare	4	2	2	0	3	1	3	1	1	1	1	1	1	0	0	21	0	33	63.6
1008	Martinstown	Kildare	3	2	2	1	3	0	3	1	1	0	1	1	1	1	0	20	0	33	60.6
1010	Derrylea Large	Kildare	3	2	2	0	3	1	2	2	0	1	0	0	1	0	0	17	0	33	51.5
1011	Derrylea Small	Kildare	1	2	2	0	3	1	0	0	0	1	0	1	0	0	0	11	0	33	33.3
1014	Donode Big	Kildare	1	1	2	0	3	0	0	0	0	1	1	1	1	0	0	11	0	33	33.3
1017	Maguire's Wood	Kildare	1	1	2	2	3	0	2	1	0	0	0	0	0	1	0	13	0	33	39.4
1018	Laragh Demesne	Kildare	1	1	2	1	0	0	1	1	0	0	0	0	0	0	0	7	0	33	21.2
1020	Kilmore (Kildare)	Kildare	1	1	2	0	1	0	0	0	0	1	1	0	1	0	0	8	0	33	24.2
1021	Bertbridge	Kildare	3	1	1	0	2	0	0	0	0	1	1	0	1	1	0	11	0	33	33.3
1022	Knocknacree Wood	Kildare	3	2	2	0	3	0	1	1	1	0	1	1	1	0	0	16	0	33	48.5
1023	Burtonhall Demense	Kildare	3	2	2	0	3	0	0	1	1	0	1	0	0	0	0	13	0	33	39.4
1024	Moone Woodlands	Kildare	2	1	2	1	3	0	2	1	1	1	1	0	1	1	0	17	0	33	51.5
1025	Moone Park	Kildare	1	1	2	1	0	0	0	0	1	0	0	0	1	0	0	7	0	33	21.2
1026	Spratstown	Kildare	1	2	0	0	3	0	1	1	0	0	0	0	1	0	0	9	0	33	27.3
1028	Burton Little	Kildare	2	2	2	1	3	0	1	0	0	1	0	0	1	0	0	13	0	33	39.4
1033	Crappagh	Monaghan	1	2	2	0	3	0	1	1	0	0	1	0	0	0	0	11	0	33	33.3
1037	Comertagh	Monaghan	3	2	2	1	2	0	2	1	0	1	1	1	1	0	0	17	0	33	51.5
1042	Barrymore North	Roscommon	4	3	2	1	3	2	2	2	1	1	1	1	1	0	0	24	0	33	72.7
1043	Barry More Shore	Roscommon	4	2	2	1	3	3	3	1	1	1	1	0	1	0	0	23	0	33	69.7
1046	Faws	Roscommon	2	3	2	0	3	0	1	1	0	1	1	1	1	0	0	16	0	33	48.5
1047	Harristown (Roscommon)	Roscommon	2	2	2	0	3	0	2	2	1	0	1	1	1	0	0	17	0	33	51.5
1048	Gray's Wood	Roscommon	1	2	2	0	3	0	1	1	0	1	1	1	1	0	0	14	0	33	42.4
1050	Willsgrove	Roscommon	3	2	2	2	3	0	3	1	1	1	1	1	1	0	0	21	0	33	63.6
1052	Cloonageeragh	Roscommon	2	2	2	1	3	0	2	1	1	0	0	1	1	1	0	17	0	33	51.5
1053	Mountdillon	Roscommon	3	2	1	0	3	0	2	1	1	1	1	0	0	0	0	15	0	33	45.5
1054		Roscommon	3	2	2	0	2	0	2	1	1	1	1	1	1	0	0	17	0	33	51.5
1057	Faltia	Roscommon	2	2	2	1	3	0	2	1	0	1	0	1	0	0	0	15	0	33	45.5
1058	Johnstown Demesne	Roscommon	1	2	1	0	3	0	0	1	0	0	0	0	1	0	0	9	0 0	33	27.3
1059	Mount Talbot South	Roscommon	4	2 2	2	1	3 3	2 0	1 2	2 1	0	1 1	1 0	1	0 1	1	0	21	0	33	63.6
1060	Carrownalogh	Roscommon	3 4	2	2 2	0	3	1	2	1	0	1	1	1	1	0	0 0	18 21	0	33	54.5 63.6
1061	Cornaseer The Glen	Roscommon	4		2	1	3		3	1	1	1	1	0	1	0	0	21	0	33	
1063		Monaghan	3	2 1	1 2	1	3	2 0	1	1	1 0	1	1	0	1	0	0	18	0	33	54.5 48.5
1064 1076	Capragh Lough Scragh Bog	Monaghan Westmosth	3	3	2	0	3	0	2	2	0	1	1	U 4	0	1	0	16 19	0	33 33	48.5 57.6
1076	Lough Owel Wood	Westmeath Westmeath	4	3 1	2	0	3	0	2	1	1	1	1	0	0	1	0	19	0	33	57.6 54.5
1078	Ballynafid	Westmeath	4	3	2	0	3	1	3	2	1	1	1	0	0	1	0	22	0	33	54.5 66.7
10/3	Dailynanu	vv collidali	4	3	2	U	3	I	3	2	I	I	I	0	U	I	0	22	0	55	00.7

es		్లలు	20 W	,00 ⁰		
Ser habitate	ogicalf	V debris	de teating	Woodlar Tuta	id oring ⁵	
ST. Hydro	, Moog	Mann	Anne	Tuta	score	.,

															debris ,		od				
			Vascul		Ress						Woodlar 18405	upes	habitate		.e ⁵	20 M	0				
					nyte richt	ness at	hion bive	Basal Al	e .	6	~	8 T.	habitats		atur	Der "	Woodar Tuta S	6		6	
				olant	, a fich	anero	Div	salA	c Decile		odia		abitat	ical X	pris	teal	odlia	prinos Score		Nat av	able
			3	at t	When the	ede .	on ^{ton} .e	8 ⁰¹ 1	્રે	,e	NO		nho d	9 ⁰¹ ×	30° a	de a	WO G	Prill		(9 [°] , 4	alla score
			Vasc	STYOT	LIVER .	HOTIL	Natin	Notar	A1e2	Natin	18A02	Adis	LNOR	NOOL	Mann	Anne	TU12	gcore	MISSI	Mato	0/55C
		Max. Score	4	3	2	2	3	3	5	3	` 1	1	1	1	` 1	2	1	33	v	v	100.0
Site No.	Woodland Name	County		-	_	-	-	-	-	-				-		_	•				
1081	Lough Ennell Wood	Westmeath	2	2	2	1	3	0	3	2	0	1	1	0	1	0	0	18	0	33	54.5
1084	Gaybrook Demense	Westmeath	4	3	2	0	3	0	4	1	1	0	1	0	1	1	0	21	0	33	63.6
1085	Clonsingle	Westmeath	3	2	2	1	3	0	4	1	0	1	1	0	0	0	0	18	0	33	54.5
1086	Meehan Wood	Westmeath	3	2	2	1	3	3	3	1	1	1	1	1	1	0	0	23	0	33	69.7
1087	Lissakillen North	Westmeath	4	2	1	0	2	0	4	1	0	1	1	1	0	0	0	17	0	33	51.5
1088	Whinning Wood	Westmeath	4	2	2	1	3	2	4	2	1	0	1	1	1	0	0	24	0	33	72.7
1090	Creaghduff	Westmeath	4	2	2	0	3	3	2	1	1	1	1	1	1	0	0	22	0	33	66.7
1093	Joanstown Wood	Westmeath	1	2	2	0	3	0	3	1	1	1	0	0	0	0	0	14	0	33	42.4
1094	Baronstown Demense	Westmeath	3	2	2	1	1	0	2	1	1	0	1	1	1	0	0	16	0	33	48.5
1095	Lough Iron Wood	Westmeath	4	2	2	0	3	1	3	2	0	0	1	0	0	1	0	19	0	33	57.6
1096	Tristernagh Demense	Westmeath	1	2	1	1	3	0	1	1	1	0	1	0	0	0	0	12	0	33	36.4
1097	Knockeyon Wood	Westmeath	4	2	2	1	3	2	4	1	1	1	1	0	0	0	0	22	0	33	66.7
1098	Gartlandstown Wood	Westmeath	4	3	2	1	3	2	4	1	1	0	1	1	1	0	0	24	0	33	72.7
1099	Kiltoom	Westmeath	4	2	1	0	3	1	2	1	0	1	1	0	1	1	0	18	0	33	54.5
1100	Donore	Westmeath	4	3	2	0	3	0	1	1	1	0	1	1	1	0	0	18	0	33	54.5
1101	Lackan Wood	Westmeath	2	2	2	0	3	0	4	1	0	1	1	0	1	0	0	17	0	33	51.5
1102	Kiltober Esker	Westmeath	3	2	2	0	3	3	4	1	1	1	0	1	1	0	0	22	0	33	66.7
1103	Longhill Esker	Westmeath	4	2	2	0	3	3	2	1	0	1	1	1	1	0	0	21	0	33	63.6
1104	Ballymacmorris Wood	Westmeath	4	2	2	1	3	0	4	1	0	1	0	1	0	0	0	19	0	33	57.6
1105	Higginstown Wood	Westmeath	3	2	2	0	3	0	3	1	0	1	1	0	1	0	0	17	0	33	51.5
1106	Bracklin Wood	Westmeath	4	3	2	1	3	0	4	2	1	1	1	1	1	0	0	24	0	33	72.7
1107	Ballyhealy (Westmeath)	Westmeath	1	2	2	0	3	0	4	1	0	1	0	1	1	0	0	16	0	33	48.5
1108	Tonlemony Wood	Westmeath	1	2	2	1	3	0	4	1	0	1	0	0	1	0	0	16	0	33	48.5
1109	Corr Wood	Westmeath	3	3	2	0	1	1	4	1	1	1	1	0	1	0	0	19	0	33	57.6
1110	Cavestown	Westmeath	4	3	2	0	3	1	4	2	1	1	1	1	1	0	0	24	0	33	72.7
1111	Lough Slevin's Wood	Westmeath	4	3	1	2	3	0	4	3	1	1	1	0	1	1	0	25	0	33	75.8
1112	Kinturk Demense	Westmeath	2	2	2	0	3	1	4	1	1	1	1	0	0	0	0	18	0	33	54.5
1114	Carnpark	Westmeath	2	2	2	0	3	0	3	3	1	1	1	0	1	0	0	19	0	33	57.6
1115	Caran Wood	Westmeath	1	2	2	0	1	0	3	0	0	0	0	0	0	0	0	9	0	33	27.3
1116	Cornacuask	Westmeath	1	2	1	0	3	0	3	1	1	1	1	0	1	0	0	15	0	33	45.5
1117	Ballykildevin	Westmeath	1	2	1	0	3	0	2	1	1	1	1	0	1	0	0	14	0	33	42.4
1118	Clothes Rock Wood	Roscommon	3	2	1	1	1	1	2	0	1	1	0	1	1	0	0	15	0	33	45.5
1119	Mount Talbot North	Roscommon	4	2	1	1	3	0	0	1	0	1	0	0	1	0	0	14	0	33	42.4
1120	Cloonmore	Roscommon	3	2	2	1	3	1	2	1	0	1	1	1	0	0	0	18	0	33	54.5
1121	Lecarrow	Roscommon	3	2	2	1	1	0	2	2	0	1	1	1	1	0	0	17	0	33	51.5
1124	Ardan Wood	Westmeath	2	2	2	2	3	1	1	1	1	0	0	1	1	0	0	17	0	33	51.5
1125	Barbavilla Demense	Westmeath	4	2	2	2	3	1	4	1	1	0	0	1	1	1	0	23	0	33	69.7
1127	Pakenhamhall	Westmeath	4	1	0	2	2	1	1	1	1	0	0	0	1	0	0	14	0	33	42.4
1128	Tullynally	Westmeath	1	1	0	2	3	0	1	0	1	0	0	0	0	0	0	9	0	33	27.3

Arnexwoodland Tute Springs scote

															Adebris ,		00				
			Vascul		2855	•				Native		.0e5	n habitats		65	.0 W					
				Bryon	ichne	Regenerative Horitc	or	Basal Ar Basal Ar	ð,	5		314			ature	Dea.	Woodar Tuta S	6			
				ant	, ich	I. eta	s oive	Basal Al	, cie	2	dia		n habitats		a siles	(cail	Noodlar Tuta S	, ,5		Nat ave	Ne
				at Pr.	de.	gen	ntal v	Base .	ૢઙઽ૾ૻ		NOO		nab .	ogice	det.	, de 1	Nº0	oring		a var	allab
			ascul	Nº NOP		At atil	, ative	tab		ative	ANS ANS	, s'	1. dro	, ⁰ 00	y ann	net		pi score	الغون	at an	allarore
			7.0	&``	4 ¹⁰	40	40	40	b,	40	~~	PO.	413	No	We	Þ.	10	90	Wis	We	0/05
<u></u>		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
Site No.	Woodland Name	County	2		0	0		0		0			4	0	0	0	0	4.4			
1131 1132	Reynella Reynella Lough	Westmeath Westmeath	2	2 2	2 2	0 0	2 2	0 0	1 1	0	1 1	0 0	1 1	0 0	0 1	0 0	0 0	11 12	0 0	33 33	33.3 36.4
1132	Ballyowen	Westmeath	2	2	2	1	2	0	1	0	1	0	1	0	1	0	0	11	0	33 33	33.3
1133	Clonybane	Westmeath	2	2	1	0	3	0	1	1	0	0	1	0	1	0	0	12	0	33	35.3 36.4
1141	Knockasha Wood	Westmeath	1	2	1	2	3	0	1	1	0	1	0	1	1	0	0	14	0	33	42.4
1145	Gortnafada	Westmeath	2	2	2	0	3	0	1	1	0	1	0	1	0	0	0	13	0	33	39.4
1146	Bunanagh Wood	Westmeath	2	3	2	1	3	0	0	1	0	1	1	0	1	0	0	15	0	33	45.5
1147	Coolalough	Westmeath	3	2	2	0	1	0	2	1	1	0	0	1	1	0	0 0	14	0	33	42.4
1148	Glassavullaun	Dublin	1	2	0	0	3	0	0	1	0	0	1	1	1	1	0	11	0	33	33.3
1149	Lough Crew	Meath	1	3	2	0	3	1	0	1	1	0	0	1	0	0	0	13	0	33	39.4
1150	Collon North	Louth	4	2	0	1	3	1	4	2	1	0	1	1	1	0	0	21	0	33	63.6
1151	Phoenix Park	Dublin	1	1	0	2	3	0	4	1	1	0	0	0	0	0	0	13	0	33	39.4
1152	Abbotstown	Dublin	4	1	1	1	0	1	3	0	1	0	1	1	1	0	0	15	0	33	45.5
1153	Tankardstown South	Meath	1	1	1	1	3	0	0	0	1	0	0	1	1	0	0	10	0	33	30.3
1154	Gartinadress	Cavan	1	2	2	1	1	0	1	0	1	0	0	0	1	0	0	10	0	33	30.3
1155	Aghyrassy	Westmeath	4	2	2	1	3	3	3	1	1	1	1	1	1	0	0	24	0	33	72.7
1156	Flagpole Lough Shore	Monaghan	3	2	1	1	3	3	1	1	1	0	1	0	0	0	0	17	0	33	51.5
1157	Skeagh Headland	Cavan	2	2	2	2	3	0	0	1	1	0	1	0	0	1	0	15	0	33	45.5
1158	Killyconigan	Monaghan	2	2	2	0	3	2	2	1	0	0	0	1	1	0	0	16	0	33	48.5
1159	Barmeath Castle Hill	Louth	2	1	2	2	1	0	3	0	1	0	0	1	1	0	0	14	0	33	42.4
1160	Porteen Wood	Roscommon	3	2	2	0	3	1	0	2	0	1	1	0	0	0	0	15	0	33	45.5
1161	Derrycassan	Cavan	3	3	2	0	3	0	2	1	0	1	1	1	1	0	0	18	0	33	54.5
1162	Mullaghmacateer	Monaghan	1	1	0	0	2	0	0	1	0	0	0	0	1	0	0	6	0	33	18.2
1163	Killycramph Wood Shoreline	Cavan	4	2	2	0	3	0	1	1	1	1	1	0	1	0	0	17	0	33	51.5
1164	Newtown	Cavan	2 4	2 2	2	0 1	3 3	0 3	2 3	1	1 1	1 1	1	1 1	1	0 0	0 0	17	0	33	51.5
1166 1167	Newtownlow Esker Woodland Coolinarig	Westmeath Wicklow	4	2	2 2	0	3	3 1	3 0	1	0	1	0 1	1	1 1	0	0	23 15	0 0	33 33	69.7 45.5
1167	Rathshane	Westmeath	2	2	2	0	3 3	0	0	0	0	0	0	0	1	0	0	10	0	33 33	45.5 30.3
1169	The Quill Woods	Wicklow	1	3	2	0	3	0	3	1	1	1	1	0	1	1	0	18	0	33	54.5
1170	Bellamont Forest Centre	Cavan	2	2	1	0	3	1	1	1	1	0	1	1	0	0	0	14	0	33	42.4
1170	Derrysheridan South Shore	Meath	3	2	2	0	3	0	1	1	0	1	1	0	0	1	0	15	0	33	45.5
1172	Derrysheridan North Shore	Meath	4	2	2	0	3	0	1	3	0 0	1	1	0	1	0	0 0	18	0	33	54.5
1173	Capragh Lough South	Monaghan	2	2	2	1	3	0	0	1	0	1	1	1	0	0	0	14	0	33	42.4
1174	Annies Bog	Monaghan	1	2	2	0	3	0	0	1	0	0	1	1	1	0	0	12	0	33	36.4
1175	Coolnacarte Plantation	Monaghan	2	2	2	1	0	0	1	0	0	0	1	1	1	0	0	11	0	33	33.3
1176	The Downs Wood	Monaghan	3	2	2	1	3	1	3	0	1	0	1	1	0	0	0	18	0	33	54.5
1177	Lough Fea Lake	Monaghan	4	3	2	2	3	0	4	1	1	0	1	1	1	0	0	23	0	33	69.7
1178	Derrylavan	Monaghan	2	2	2	0	3	1	2	2	1	0	1	1	1	0	0	18	0	33	54.5
1179	Stickillin	Louth	1	1	2	1	3	0	2	1	0	0	0	1	1	0	0	13	0	33	39.4

		values	ilable
)	Missif	Nat a	vailable olo score

			Vascul		్రక						Woodlan 18405		,		Hamn	. 14	000				
				Bryop	ichnes,	hess legeneration	or	Basal Av	ð			o TYPE	n habitate		atures	Dead		6			
				ant	i' richt	n nerat	Dive	all	es pecies	2	odiar		n habitate	, calte	er nis'	(teatu	Woodan Tuta	potings Score		Nat av	ole
			3	at P o	N ^{te} P	eder 10	untal le	8 ²⁵ 5	,e SX	,e	NOT	ن .	nhar of	ogic N	der of	ade at	WO' G	pins	~	19 ¹⁰ 24	aila. score
			Vasc	Bryot	free .	HOTIL	Natin	Notat	Area	Nativ	18405	Adis	Hydre	WOOL	Marth	Anne	TUTA	score	Missi	Mato	°/8500
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33	•	·	100.0
Site No.	Woodland Name	County																			
1190	Shelton	Wicklow	1	2	2	0	3	0	3	1	1	1	1	0	1	0	0	16	0	33	48.5
1191	Allenwood North	Kildare	2	2	2	0	3	0	4	1	0	1	0	1	0	0	0	16	0	33	48.5
1193	Carrick	Kildare	1	2	2	1	3	0	2	1	0	1	1	0	0	0	0	14	0	33	42.4
1194	Kilcooney River Wood	Kildare	3	2	0	2	0	0	2	0	0	1	0	1	0	0	0	11	0	33	33.3
1196	Loughnacush	Kildare	2	2	2	0	3	0	4	2	0	1	1	0	1	0	0	18	0	33	54.5
1198	Heritage Park Wood	Kildare	2	1	2	0	3	0	1	2	1	1	0	0	1	1	0	15	0	33	45.5
1199	Ballindoolin	Kildare	4	2	1	2	1	0	3	0	1	0	1	0	0	0	0	15	0	33	45.5
1200	Leopardstown Woods	Dublin	4	1	0	2	0	0	1	0	1	0	1	0	1	0	0	11	0	33	33.3
1201	Clongowes College Wood	Kildare	3	1	2	1	2	1	2	0	1	0	1	0	1	0	0	15	0	33	45.5
1205	Rickardstown North	Westmeath	1 1	2	2	0 0	3 3	0	2 1	1	0	1 1	0 1	0	0 1	0	0	12	0	33	36.4
1206 1207	Rickardstown South	Westmeath	2	2 2	2 1	2	3	0 0	4	1	0 0	0	1	0 0	0	0 0	0 0	13	0 0	33 33	39.4 48.5
1207	Clonyn	Westmeath Westmeath	2	2 3	2	2	3	1	4 3	1	1	1	0	0	1	0	0	16 17	0	33 33	48.5 51.5
1209	Cooksborough Kilcleagh	Westmeath	2	3 2	2	1	2	0	3	0	1	0	1	1	1	0	0	16	0	33 33	48.5
1210	Bolinarra Bog Wood	Westmeath	4	2	2	0	2	0	3	1	0	1	0	0	0	0	0	16	0	33	48.5
1211	Killachonna	Westmeath	4	2	2	1	3	0	2	1	0	1	0	0	0	0	0	13	0	33 33	46.5 39.4
1212	Auburn	Westmeath	3	2	2	0	3	0	4	1	1	0	1	1	0	1	0	19	0	33	59.4 57.6
1215	Allenwood Road Wood	Kildare	2	2	2	0	3	0	1	1	0	1	1	1	1	0	0	15	0	33	45.5
1216	Ballindoolin Bog Wood	Kildare	1	2	0	1	3	0	1	1	0	1	0	0	1	0	0	11	0	33	33.3
1217	Knockcor Wood	Kildare	3	2	2	0	3	0	3	1	0	1	1	0	1	0	0	17	0	33	51.5
1218	Plan Wood	Meath	3	1	2	0	3	0	2	0	1	0	0	0	1	0	0	13	0	33	39.4
1219	Knockagh	Louth	2	2	2	0	3	0	0	1	0	0	1	1	0	0	0	12	0	33	36.4
1220	Kilnahard	Cavan	3	2	2	0	3	0 0	1	1	0	1	1	0	1	1	0	16	0	33	48.5
1221	Sruveel	Monaghan	2	2	2	0	3	0	1	1	1	1	1	1	1	0	0	16	0	33	48.5
1222	Lannat	Louth	1	2	2	0	3	0	4	1	0	1	0	0	1	0	0	15	0	33	45.5
1224	Oghill	Cavan	1	2	2	0	3	0	0	1	0	0	1	0	1	0	0	11	0	33	33.3
1227	Stormanstown Bog	Louth	2	2	2	0	3	0	2	1	0	1	0	1	0	0	0	14	0	33	42.4
1228	Carrickynaghtan	Roscommon	1	2	2	1	3	0	0	1	1	1	0	0	0	0	0	12	0	33	36.4
1229	Taylorstown	Roscommon	1	2	2	1	3	0	0	1	0	1	0	0	0	0	0	11	0	33	33.3
1230	Barrymore	Roscommon	2	2	2	1	3	0	1	1	0	1	1	0	0	0	0	14	0	33	42.4
1231	Thomastown Demense	Roscommon	4	2	2	0	3	0	2	1	1	1	0	0	1	0	0	17	0	33	51.5
1233	Drumalagagh	Roscommon	3	3	2	1	3	0	2	2	1	0	1	0	1	0	0	19	0	33	57.6
1234	Coosan Point Hazel Wood	Westmeath	4	2	2	2	3	3	1	1	1	1	1	1	1	0	0	23	0	33	69.7
1235	Killinure North	Westmeath	3	2	2	1	3	3	1	1	0	0	1	1	1	0	0	19	0	33	57.6
1237	St. Catherine's Wood	Dublin	4	2	2	1	1	3	4	1	1	1	1	0	1	0	0	22	0	33	66.7
1238	Money Lower	Wicklow	2	2	1	0	3	0	2	1	1	0	1	1	1	0	0	15	0	33	45.5
1239	Money East	Wicklow	2	2	2	1	2	0	1	1	1	0	0	0	1	0	0	13	0	33	39.4
1240	Ballymarroge	Wicklow	2	2	2	1	3	0	2	2	1	0	1	1	0	1	0	18	0	33	54.5
1241	Rosahane	Wicklow	1	3	0	1	3	0	1	1	0	0	1	1	1	1	0	14	0	33	42.4

ي م			Adebris A	esd W	00 ⁰		
	habitats	ogical Fe	Adebris, Mann	ade teatu	Woodlage Tuta	nd Springs Score	
5	Hydro.	Nood	Mann	Annet	TUTR	score	-
	1	1	1	2	1	33	

																Dead W	.o				
			Vascul		2855					Native		upes	habitation Hydro		.e ⁵	dW	5-				
				*	itchness hytericht free	ness at	hative	Basal Ar	e ⁹ . e	9	~	an.	habitate	,	atur ,	Deau annet		<i>,</i> 0		6	
				olani	. erici	enero	, Dive	SalA	apecite		odia		abitat	icaly	obils	teate	, odla	prings Score		Nat a	allable olescore
			.3	lat .	WALL &	ege .	unton le	\$°	ຸຈິ	,e	NO	م ا	nne o	,0 ⁰ , %	3°	ade t	Nº 6	p ^{rii} .e		0	valla oloscore
			Vasc	Bryo	` 41 ⁰⁰	HOTIC	Nativ	Notar	Area	Nativ	1840-	Adil	HADI	NOOL	Mann	Anne	TUNA	score	MISSI	Mat	Sce
		Max. Score	4	3	2	2	3	3	`5	3	1	`1	1	1	1	2	1	33	•	•	100.0
Site No.	Woodland Name	County																			
1242	Carrickobreen River Wood	Westmeath	1	2	1	1	3	1	0	1	0	0	1	0	0	0	0	11	0	33	33.3
1243	Carrickobreen Bog Wood	Westmeath	1	2	2	0	3	0	1	1	0	1	0	0	1	0	0	12	0	33	36.4
1250	Shurock Wood	Westmeath	1	2	1	0	3	0	1	1	0	0	0	0	1	0	0	10	0	33	30.3
1251	Corduff East	Cavan	1	2	2	0	3	0	1	1	0	1	1	0	1	0	0	13	0	33	39.4
1252	Corduff West	Cavan	1	2	2	0	3	0	1	1	0	1	1	1	1	0	0	14	0	33	42.4
1253	Ongenstown	Meath	1	2	1	0	3	0	2	1	0	1	0	0	1	0	0	12	0	33	36.4
1254	Dowdstown	Meath	1	1	2	0	1	0	0	0	0	0	0	0	0	0	0	5	0	33	15.2
1255	Ongenstown West	Meath	1	2	2	0	3	0	2	1	0	1	0	0	0	0	0	12	0	33	36.4
1258	Lismullin	Meath	2	1	2	0	1	0	3	0	1	0	1	1	1	0	0	13	0	33	39.4
1259	Blackcastle Demesne	Meath	1	1	1	0	2	0	1	0	1	1	1	1	1	0	0	11	0	33	33.3
1260	Collon Northwest	Louth	2	2	1	1	3	0	3	1	1	0	0	1	1	0	0	16	0	33	48.5
1261	Derredis Upper	Cavan	3	2	2	1	3	2	2	2	1	0	1	1	0	0	0	20	0	33	60.6
1262	Ballinrink	Meath	1	1	2	1	1	0	1	0	1	0	0	0	1	0	0	9	0	33	27.3
1263	Tubbrid (Meath)	Meath	2	2	2	0	3	0	3	0	0	1	0	0	0	0	0	13	0	33	39.4
1264	Halfcartron	Meath	1	2	2	0	2	0	4	0	1	0	0	0	1	0	0	13	0	33	39.4
1265	Collon Wood	Louth	2	2	1	1	3	0	2	0	1	0	0	0	1	0	0	13	0	33	39.4
1266	Bellews Hill	Louth	2	2	1	1	2	0	2	0	1	0	0	0	1	0	0	12	0	33	36.4
1270	Rossacroonaloo	Kerry	4	3	0	2	3	1	4	1	1	1	1	0	1	1	0	23	0	33	69.7
1272	Darrynane More	Kerry	4	3	1	1	3	0	4	2	1	1	1	0	1	1	0	23	0	33	69.7
1273	Uragh Wood	Kerry	4	3	2	2	3	0	5	2	1	1	1	1	1	1	0	27	0	33	81.8
1275	Kilgarvan Wood	Kerry	4	3	2	1	3	3	5	2	1	1	1	1	1	1	0	29	0	33	87.9
1277	Lyranes Lower Wood	Kerry	4	3	2	1	3	2	5	1	1	1	1	1	1	1	0	27	0	33	81.8
1279	Dromore Old	Kerry	4	3	2	0	3	1	4	1	1	1	1	1	1	2	0	25	0	33	75.8
1280	Lehid Wood	Kerry	4	2	1	1	3	1	4	1	1	1	1	1	1	1	0	23	0	33	69.7
1281	Glenstal Wood	Limerick	3	2	1	2	3	2	3	1	1	1	1	0	1	1	0	22	0	33	66.7
1284	Gortnageragh River Valley	Limerick	4	3	2	0	3	3	5	1	0	0	1	0	1	0	0	23	0	33	69.7
1286	Clare Glen	Limerick	4	3	2	2	3	2	4	2	1	1	1	0	1	1	0	27	0	33	81.8
1287	Caher Wood	Kerry	3	3	1	0	3	0	3	0	0	1	1	0	1	0	0	16	0	33	48.5
1288	Game Wood	Kerry	4	2	1	0	3	2	4	1	1	1	1	1	0	1	0	22	0	33	66.7
1289	Tomies Wood	Kerry	3	2	0	2	3	1	5	1	1	1	1	1	1	1	0	23	0	33	69.7
1290	Derrycunihy Wood	Kerry	4	3	0	1	3	2	5	1	1	1	1	1	1	1	Õ	25	0	33	75.8
1291	Reenadinna Wood	Kerry	4	3	1	1	3	3	4	1	1	1	1	1	1	1	0 0	26	0	33	78.8
1292	Looscaunagh Wood	Kerry	4	3	0	1	3	1	5	1	1	1	1	1	1	1	0	24	0	33	72.7
1293	Glen Bog	Limerick	1	2	1	0	3	0	3	1	0	1	1	1	0	1	Õ	15	0	33	45.5
1294	Toryhill	Limerick	4	3	2	0 0	2	2	4	1	0	1	0	0	1	0	0	20	0	33	60.6
1295	Glencurrane	Limerick	4	3	2	1	2	1	4	1	1	0	1	Ő	1	1	0 0	22	0	33	66.7
1296	Graigue Wood	Limerick	4	2	2	0	3	2	4	2	1	0	1	1	0	0	0	22	0	33	66.7
1297	Mountrussell Wood	Limerick	4	3	2	1	3	2	2	3	0	0	1	1	0	1	0	23	0	33	69.7
1298	Knockanes	Limerick	3	2	2	1	3	0	4	1	0	0	1	0	0	0	0	17	0	33	51.5
. 200		Lindhok	0	-	-		0	U	т		U	Ŭ	•	0	U	U	5	.,	U	00	0110

	ogical reality	وه يوم	Nood		
Isin habitate	NOOCH N	oris de test	tures odlar	id atings	
Ser Hydrol	NOODY N	anna Ann	Tuta S	score .	

		Natues Maxav	able
e		19 ¹ 81	alle ore
	Miss.	Mat	airscore
			100.0

															Vdebris,		o ^o				
			V85CU		ness						Woodlar 18405	upes			Vdebrist Mann	dW	5				
					nytericht FreeP	ness at	hion Dive	Basal Av	ê	6	~	6 T.	habitats Hydrol	, <u>,</u>	eatur ,	Der W	Noodar Tuta	6		6	
				olani	, a tich	nero	Div	salA	, oecie		odia		abitat	, calt	bris	teatu	odia	prings Score		Nat av	able
			3	at Y	WE &	ede 1	ontar .e	8 ⁸² '	est.	,e	No		nhia d	,0 ⁰¹¹ ~	30° ~	ade at	W ⁰ S	Pilling		19 ¹ 4	alla score
			Nasci	aryor	CY80	JOIL	Natin	Notar	area	Natin	1840 ⁵	ndi?	Jydre	NOOL	Mann	anne	xut?	score	MISSI	Mate	Sco
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33	v	v	100.0
Site No.	Woodland Name	County			-	-	•	•	•			•	•	•	•	-	•				
1299	Gortigrenane	Cork	2	2	0	2	3	1	1	2	1	1	1	1	1	1	0	19	0	33	57.6
1300	Coolymurraghue	Cork	1	2	2	1	3	0	4	1	1	1	1	1	1	1	0	20	0	33	60.6
1301	Knockomagh Wood	Cork	3	3	2	1	1	0	4	0	1	1	1	0	1	1	0	19	0	33	57.6
1302	Prohus	Cork	3	2	2	0	3	0	4	2	1	0	1	1	1	1	0	21	0	33	63.6
1305	Manch East	Cork	4	2	1	1	1	0	4	1	1	0	0	1	1	1	0	18	0	33	54.5
1306	Milleenanannig	Cork	4	3	0	0	3	1	4	1	0	1	1	1	1	0	0	20	0	33	60.6
1307	East Wood	Cork	4	2	0	2	2	0	3	0	1	1	1	0	0	1	0	17	0	33	51.5
1308	St Gobnet's Wood	Cork	4	3	1	1	1	1	4	1	1	1	1	1	1	0	0	21	0	33	63.6
1310	Garrycloyne Wood	Cork	4	3	1	1	3	0	4	2	1	0	1	1	1	1	0	23	0	33	69.7
1311	Coolatanavally	Cork	2	2	0	1	2	0	3	0	1	1	1	1	1	0	0	15	0	33	45.5
1312	Cloghphilip Wood	Cork	3	3	1	2	3	0	4	2	1	1	1	1	0	1	0	23	0	33	69.7
1313	Pigeon Wood	Cork	3	2	2	0	3	0	4	0	1	0	1	1	1	0	0	18	0	33	54.5
1314	Toon Valley	Cork	4	3	2	1	3	2	5	3	0	1	1	0	1	1	0	27	0	33	81.8
1315	Coolyduff	Cork	4	2	2	1	3	1	4	2	1	1	1	1	1	1	0	25	0	33	75.8
1316	Glengarriff	Cork	4	3	2	1	3	2	5	3	1	1	1	1	1	1	0	29	0	33	87.9
1317	The Gearagh	Cork	4	3	2	1	3	3	5	1	1	1	1	1	1	1	0	28	0	33	84.8
1321	Castlebernard	Cork	3	3	0	2	2	1	4	1	1	1	1	1	1	0	0	21	0	33	63.6
1322	Ballyedmond	Cork	4	2	2	2	1	1	4	0	1	0	1	1	1	1	0	21	0	33	63.6
1323	Cleanderry Wood	Cork	4	3	2	0	3	2	4	1	0	1	1	1	1	1	0	24	0	33	72.7
1324	Glenbeg	Cork	3	3	2	1	3	0	3	1	0	1	1	1	1	0	0	20	0	33	60.6
1325	Dunbeacon	Cork	3	2	0	1	2	0	3	0	1	1	1	1	1	0	0	16	0	33	48.5
1326	Ballyhallagh	Cork	3	3	0	0	3	0	2	1	1	0	1	1	1	1	0	17	0	33	51.5
1327	Ardglass	Cork	2	3	2	1	3	0	4	1	1	0	1	1	1	0	0	20	0	33	60.6
1329	Barrees	Cork	4	3	2	2	3	1	4	2	0	1	1	1	1	1	0	26	0	33	78.8
1330	Ballyannan	Cork	4	1	0	2	0	0	4	0	1	1	0	1	1	0	0	15	0	33	45.5
1332	Cloheen Strand Intake	Cork	1	1	2	0	3	0	0	1	0	1	1	0	0	0	0	10	0	33	30.3
1334	Priory Wood	Cork	4	3	2	0	3	0	2	2	1	1	1	1	1	1	0	22	0	33	66.7
1335	Rochestown Wood	Cork	1	1	2	1	3	0	2	1	1	1	0	0	1	1	0	15	0	33	45.5
1336	Curraghbinny Wood	Cork	4	1	1	1	2	1	4	0	1	1	0	1	1	0	0	18	0	33	54.5
1337	Modeligo Wood	Cork	1	1	2	0	2	0	2	0	1	0	0	1	1	0	0	11	0	33	33.3
1338	Derrylahan	Cork	4	3	2	0	3	1	2	2	0	1	1	1	1	0	0	21	0	33	63.6
1339	Kilnagurteen	Cork	3	3	2	0	3	0	3	2	1	1	1	1	1	1	0	22	0	33	66.7
1340	Curraghmore Wood	Cork	4	2	2	1	3	1	4	1	1	0	1	0	1	0	0	21	0	33	63.6
1342	Lougheagle	Cork	2	2	1	1	1	1	1	1	1	0	1	1	1	0	0	14	0	33	42.4
1343	Banteer	Cork	3	2	2	1	3	0	2	1	0	1	1	1	0	0	0	17	0	33	51.5
1344	Blarney Castle Woods	Cork	3	1	2	2	3	0	3	0	1	0	1	1	0	0	0	17	0	33	51.5
1345	Glashgariff River	Cork	1	3	2	1	3	0	1	3	1	0	1	1	1	1	0	19	0	33	57.6
1347	Killaneer	Cork	4	3	1	2	3	1	3	2	1	0	1	1	1	1	0	24	0	33	72.7
1348	Glebe	Cork	3	2	2	0	3	1	2	1	1	0	1	1	1	0	0	18	0	33	54.5

nd ings		alles	able
springs score	Missing	Walues Max av	all score

			Vascu		5	,					Woodlar 18405	°59	,		Vdebris,	. 14	0 ⁰⁰				
					nyterich FreeP	Regenerative Horize	or	Basal Av	<i>.</i> ?	h		8 THP	n habitate		atures	Dea0	Noodlaf	6			
				alant	i rich	I. nera	, Dive	Basal Ar	- Decile	,	odiat		n habitate	, _{C3} 14	o biis	(teatu	, odlal	prings Score		Nat av	ple
			, si	at V	NIE P	ege 1	untan ue	\$ ³⁵ .0	e,		NO	فري	n har o	,0 ⁹¹² .8	y der n	ade at	WO S	p ^{ill} e	Ň	(9 ¹ , 9 ¹	ailar oloscore
			V250	BINO	44ee	HOTIL	Nativ	Notar	Area	Wally	18401	Adil	4HQ1	NOOL	Marn	Anne	TUTO	pi score	Miss.	Mat	ologor
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
Site No.	Woodland Name	County																			
1349	Carrignacurra	Cork	3	2	2	1	2	2	1	1	1	1	1	1	1	0	0	19	0	33	57.6
1351	Creggane	Cork	1	1	0	0	0	0	0	0	0	1	1	0	1	0	0	5	0	33	15.2
1353	Renny Lower	Cork	2	2	2	1	1	0	2	0	1	0	1	1	0	0	0	13	0	33	39.4
1354	Glenville	Cork	2	2	1	0	3	0	4	1	1	1	1	1	1	1	0	19	0	33	57.6
1355	Philip's Wood	Cork	1	2	2	1	3	0	3	1	1	1	1	1	1	1	0	19	0	33	57.6
1356	Knockardsharriv	Cork	4	3	2	2	3	0	3	3	0	1	1	1	1	1	0	25	0	33	75.8
1357	Cooldurragha	Cork	3	2	2	1	3	0	3	1	1	0	1	1	1	0	0	19	0	33	57.6
1358	Roughfield Wood	Cork	3	2	2	2	3	0	4	1	1	1	1	1	1	0	0	22	0	33	66.7
1359	Coolmoohan Wood	Cork	2	2	2	1	3	0	2	1	1	0	1	1	1	1	0	18	0	33	54.5
1360	Rathmore Wood	Cork	4	2	1	1	3	0	4	1	1	1	1	1 1	1	0 1	0	21	0	33	63.6 75.0
1361 1363	Cloheena Wood Wet Wood Cork	Cork	4 2	3 2	2 2	1 2	3 3	1 0	3 3	3 1	0 1	0	1 0	0	1 1	0	0 0	25 17	0 0	33 33	75.8 51.5
1363	Corbally South	Cork Cork	2	2	2	2	3	0	3 2	1	0	1	1	0	1	1	0	17	0	33	51.5 51.5
1365	Glencam	Cork	4	3	2	1	3	0	2	2	0	1	1	1	1	1	0	21	0	33	63.6
1367	Lahardane More	Cork	4	2	2	1	3	0	1	2 1	0	1	0	1	1	1	0	16	0	33	48.5
1307	Inishbeg	Cork	2	2	2	1	2	0	3	0	0	1	1	0	1	0	0	15	0	33	46.5 45.5
1370	Bridge Wood	Cork	2	2	1	1	1	0	2	0	0	1	1	1	1	0	0	14	0	33	45.5
1372	Curradonohoe	Cork	4	2	2	0	3	1	2	1	0	1	1	1	1	0	0	19	0	33	42.4 57.6
1374	Aghabeg	Cork	2	2	2	0	3	2	1	1	0	1	1	1	1	1	0	18	0	33	54.5
1375	Leahill	Cork	3	2	2	1	3	2	2	1	0	1	1	1	1	1	0	21	0	33	63.6
1379	Curragh East	Cork	2	2	2	1	3	1	2	1	0	1	1	1	1	1	0	19	0	33	57.6
1381	Drombrow Lake	Cork	1	2	2	0	3	0	1	2	1	1	1	1	1	0	0 0	16	0	33	48.5
1382	Derreennacusha	Cork	1	3	2	0	3	0	0	1	0	1	1	1	1	0	0 0	14	Ő	33	42.4
1383	Dromore	Cork	2	2	2	0	3	2	2	1	0	1	1	1	1	1	0	19	0	33	57.6
1386	Dromasta	Cork	4	3	2	0	3	2	2	1	1	0	1	1	1	1	0	22	0	33	66.7
1388	Carrigskullihy	Cork	1	2	2	0	3	0	1	1	0	1	0	1	1	0	0	13	0	33	39.4
1389	Carrigskullihy Wood	Cork	2	3	2	1	3	1	3	1	1	1	1	1	1	1	0	22	0	33	66.7
1390	Farnanes Wood	Cork	3	3	2	0	3	1	4	3	1	1	1	0	1	1	0	24	0	33	72.7
1391	Dreenwanish Wood	Cork	3	3	1	0	3	1	3	2	1	1	1	1	1	1	0	22	0	33	66.7
1393	Derryvacorneen East	Cork	2	2	2	1	3	0	2	1	0	0	1	1	1	1	0	17	0	33	51.5
1394	Inchideraille	Cork	3	2	2	0	3	1	3	1	0	1	1	1	1	0	0	19	0	33	57.6
1395	Curracahill	Cork	3	2	2	1	3	2	3	1	0	1	1	1	1	0	0	21	0	33	63.6
1396	Gneeves	Cork	3	3	2	0	3	0	3	2	0	1	1	1	1	0	0	20	0	33	60.6
1399	Inchileigh	Cork	2	2	1	1	1	1	4	0	1	1	1	1	1	1	0	18	0	33	54.5
1400	Cullentra Wood	Sligo	4	3	2	1	3	1	4	3	1	0	1	1	1	1	0	26	0	33	78.8
1401	Union Wood	Sligo	3	3	0	1	3	0	4	1	1	1	0	1	0	1	0	19	0	33	57.6
1403	Mountain Wood	Sligo	4	3	2	1	3	0	4	2	1	1	1	1	0	0	0	23	0	33	69.7
1404	Clogher (Sligo)	Sligo	4	3	2	0	3	0	4	2	1	1	1	1	1	0	0	23	0	33	69.7
1405	Kilbrattan Wood	Sligo	4	3	2	0	3	2	4	2	1	1	1	0	1	0	0	24	0	33	72.7

	NO	ó			
I Features	, Dead V.	as uand			9
ody debris	Deat annet	Noodla Spri	nds	issing value	available
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															Natures Natures Natures		ood				
			V25CU		mess	69	ntal Dive	b.				Adist			V debrist	and w	- -				
				, ci	nytericht Freep	nes ra	JON. SINP	Basal Ar	20 je	3	Nat	Adis	. al	,	all is	(D ^C all)	Woodan Tuta	<i>'9</i>		Nat av	20
				at plan	sterie	dener	Jal D'	0.35al	SPEL		N000.		nabit	dical	depris	Ne ter	N000.	prings Score		Nat av	illable .
			ړي	No. Jok	6 N	il and a star	on ine	120	ە مە	ilve	105	. Sr	N' aro	ن م	A mm	at net	ې پې	Score	العما	19 tay	ailar olegore
			132	80	41 ⁶	40.	43.	40.	Pic	43.	~ ⁶ ~	bo,	442	110	Wg.	bu.	101	SCC	MIS	Mo.	0/00
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
Site No.	Woodland Name	County							<u> </u>		<u> </u>										
1408	Cleaveragh Demesne	Sligo	4	3	2	0	3	0	4	1	1	1	1	1	0	1	0	22	0	33	66.7
1409	Hazelwood Demesne	Sligo	4	3	2	1	3	1	4	2	1	1	1	1	1	1	0	26	0	33	78.8
1410	Tanrego	Sligo	4	3	2	0	3	0	4	1	0	1	1	1	0	1	0	21	0	33	63.6
1411	Slishwood	Sligo	1	3	1	1	3	1	3	1	1	1	1	1	1	1	0	20	0	33	60.6
1412	Clogh Wood	Sligo	4	3	2	0	3	2	3	2	1	1	1	1	1	0	0	24	0	33	72.7
1413	Drumfad	Sligo	3	3	1	0	3	1	2	1	0	1	1	0	0	0	0	16	0	33	48.5
1417	Sroove	Sligo	2	3	2	0	3	2	1	1	1	1	1	1	1	0	0	19	0	33	57.6
1418	Correagh	Sligo	1	2	0	1	3	0	2	1	1	0	0	0	1	1	0	13	0	33	39.4
1419	Derkmore Wood	Donegal	4	3	0	1	3	0	3	1	0	1	1	0	0	1	0	18	0	33	54.5
1420	Rathmullan Wood	Donegal	4	3	2	1	3	2	4	2	1	1	1	1	1	1	0	27	0	33	81.8
1421	Duntally Wood	Donegal	4	3	1	0	3	1	4	2	1	1	1	1	1	0	0	23	0	33	69.7
1422	Ballyarr Wood	Donegal	4	3	2	2	3	2	4	3	1	1	1	1	1	1	0	29	0	33	87.9
1423	Mullangore Wood	Donegal	4	3	0	1	3	1	5	1	1	1	1	1	0	1	0	23	0	33	69.7
1424	Derry Beg	Donegal	1	3	2	1	3	1	1	1	0	1	1	0	0	1	0	16	0	33	48.5
1426	Derrylahan North	Donegal	1	3	2	0	3	0	0	1	0	1	1	1	0	0	0	13	0	33	39.4
1427	Ardnamona Wood	Donegal	4	3	2	1	3	3	5	3	1	1	1	1	1	1	0	30	0	33	90.9
1428	Lougheask Demesne	Donegal	4	3	2	2	3	3	4	1	1	1	1	1	1	1	0	28	0	33	84.8
1429	Cottian Wood	Donegal	4	3	2	1	3	2	4	3	1	1	1	1	1	1	0	28	0	33	84.8
1430	Salt Pans	Donegal	4	3	2	1	3	3	4	3	1	1	1	0	1	1	0	28	0	33	84.8
1432	Foxhall	Donegal	4	3	2	1	3	2	4	2	1	1	1	1	1	1	0	27	0	33	81.8
1433	Glenineeny	Donegal	4	3	2	0	3	3	4	3	1	1	1	0	1	0	0	26	0	33	78.8
1434	Ballynarry	Donegal	4	3	2	1	3	1	4	3	1	1	1	1	1	1	0	27	0	33	81.8
1435	Doon Glebe	Donegal	4	3	2	0	3	2	4	2	1	1	1	1	1	0	0	25	0	33	75.8
1436	Keeloges	Donegal	4	3	2	1	3	2	4	3	1	1	1	1	1	1	0	28	0	33	84.8
1438	Muff (Donegal)	Donegal	4	3	2	0	3	0	4	3	0	1	1	1	1	0	0	23	0	33	69.7
1439	Ards Forest Park	Donegal	4	3	2	1	3	3	4	3	1	1	1	1	1	2	0	30	0	33	90.9
1440	Dunwiley	Donegal	2	3	2	0	3	0	3	2	1	1	1	0	1	0	0	19	0	33	57.6
1441	Carndonagh	Donegal	3	3	2	1	3	1	4	2	1	1	0	0	0	1	0	22	0	33	66.7
1442	Glennagiveny	Donegal	3	3	2	0	3	0	2	2	0	1	1	1	0	0	0	18	0	33	54.5
1447	Portlough	Donegal	2	2	1	0	3	0	3	1	0	1	1	0	0	0	0	14	0	33	42.4
1448	Bohullion Lower	Donegal	4	3	1	0	3	1	3	2	1	1	1	1	1	0	0	22	0	33	66.7
1449	Feddyglass Wood	Donegal	2	3	2	0	2	1	3	0	1	0	1	1	0	1	0	17	0	33	51.5
1455	Oughtnadrin	Donegal	4	3	2	1	3	1	4	2	0	1	1	1	1	0	0	24	0	33	72.7
1456	Carrickbreeny	Donegal	4	3	2	0	3	3	3	1	1	1	1	1	1	0	0	24	0	33	72.7
1459	Aghaneenagh	Cork	4	2	2	1	3	1	4	2	1	1	1	1	1	2	0	26	0	33	78.8
1460	Kilmeen Wood	Cork	2	2	1	1	3	0	2	1	1	0	1	0	1	1	0	16	0	33	48.5
1463	Dunmarklun	Cork	4	3	1	0	3	0	3	3	1	1	1	1	1	0	0	22	0	33	66.7
1464	Kilcanway	Cork	2	2	2	2	3	0	1	2	0	1	1	0	1	0	0	17	0	33	51.5
1465	Duvglasha	Cork	4	3	1	0	3	0	2	1	0	1	1	1	1	0	0	18	0	33	54.5
	3			-		-	-	-			-					-	-	-	-		

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de teatu	Woodlie	nings		Values	allable
Annet	Woodlay Tuta	Score Score	Missi	Natues Maxa	alable oloscore

																	ര				
			Vascul		mess	S		Þr.			Woodland 18405	TYPES			Ndebris A	ead W	50 50				
				ant	ichness nytericht Free R	les orai	uon Intal Dive Native	Basal Al	en cie	6	dian	9	habitate	, ⁴	eatly is	Deal Joe teatur	res diat	,d 		ues	×
			3	lat plc of	NIE P	egene	untal ,e	Basan	e Spe		NOOL		n hab. o	ogicio a	depr n	dete	W ^{OOL} C	prings Score		Navalues Navav	vailable
			V35CU	Bryot	free .	HOTIZ	Nativ	Notar	Area	Native	18403	Adis	Hydre	WOOD	Marin	Anne.	TU12	P' Scote	Missi	Mato	valla oloscore
		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
Site No.	Woodland Name	County																			
1466	Kilmichael	Cork	4	3	1	1	3	1	1	2	0	1	1	1	1	0	0	20	0	33	60.6
1468	Ringnanean Wood	Cork	3	3	1	0	1	1	2	0	1	1	1	1	1	0	0	16	0	33	48.5
1471	Garranes	Cork	4	3	2	0	3	0	3	2	0	1	1	1	1	1	0	22	0	33	66.7
1472	Ballinphellic	Cork	3	2	2	1	3	0	3	2	1	1	1	1	1	0	0	21	0	33	63.6
1473	Templemichael	Cork	4	3	2	2	2	0	3	2	1	1	1	1	1	1	0	24	0	33	72.7
1476	Lackenacummeen	Cork	3	2	0	1	3	0	0	1	0	1	1	1	1	1	0	15	0	33	45.5
1479	Courtmacsherry	Cork	4	2	0	1	0	0	3	0	1	1	0	1	1	0	0	14	0	33	42.4
1481	Ummera Wood	Cork	4	2	2	2	1	1	3	1	1	1	1	1	1	1	0	22	0	33	66.7
1482	Tubbrid (Cork)	Cork	2	2	0	0	3	1	2	2	1	0	1	1	1	1	0	17	0	33	51.5
1483	Knocknamallavoge	Cork	2	2	0	1	3	1	3	2	0	0	1	1	1	0	0	17	0	33	51.5
1484	Ballyclogh	Cork	1	1	1	1	1	0	1	0	1	0	1	1	1	0	0	10	0	33	30.3
1485	Glenbower Wood	Cork	4	1	1	2	3	0	1	1	1	0	1	1	1	0	0	17	0	33	51.5
1486	Drinshane Beg	Cork	2	2	1	1	3	0	4	1	1	1	1	1	1	1	0	20	0	33	60.6
1488	Scartbarry	Cork	4	2	1	1	3	0	3	2	1	1	1	1	1	1	0	22	0	33	66.7
1489	Ballyduhig North	Cork	3	2	1	1	3	0	2	1	0	1	1	1	1	0	0	17	0	33	51.5
1490	Lisdangan	Cork	3	3	2	1	3	0	3	3	1	0	1	0	1	1	0	22	0	33	66.7
1491	French Wood	Cork	4	3	2	2	3	2	4	3	1	1	1	0	1	1	0	28	0	33	84.8
1492	Lackendarragh South	Cork	1	1	2 2	0	3 3	0	3	1 1	1	0 1	0	1	1	1 1	0	15	0	33	45.5
1493	Glanatnaw Wood	Cork	1	2		0	-	0	2	-	0	1	0	0	1	•	0	14	0	33	42.4
1494	Gortnascreeny Wood	Cork	2	2	2	0	3	0	1	1	0	1	1	0	1	1	0	15	0	33	45.5
1495	Camillan Wood	Kerry	4	2	0	2 1	3	2	4	2	1	1	1	1	0	1	0	24	0	33	72.7
1496	Poulaphuca Wood	Sligo	4 3	3	2 1	-	3	0	2	3	0 1	1	1	1	0	0 1	0	21	0	33	63.6
1497	Bealkelly Woods	Clare	3	3		0 1	3 3	1 1	4	2 3	1	1	1	1	1	1	0	23	0 0	33	69.7
1498	Drummin Wood	Galway	-	3	2	-	3		4	3 1	-	-	1	4	-	-	0	27		33	81.8
1499 1500	Caher Dromore Nature Reserve	Clare	3 4	3 3	1	0 1	3	0 3	1 5	2	0 1	1	1	1	0 1	1 0	0 0	16	0 0	33 33	48.5 84.8
1500	Moyree Wood	Clare	4	3 2	2 2	0	3	3 2	5 4	2	0	1	1	1	1	0	0	28 21	0	33 33	63.6
1501	Killeen Wood	Clare Clare	3 1	2	2	0	3	2	4 4	1	1	1	1	1	1	0	0	19	0	33 33	57.6
1502	Edenvale Wood	Clare	3	2	2	0	3	1	4	1	1	1	0	1	1	0	0	20	0	33	60.6
			-			1				-					•	-					
1504 1505	Drummina Tullyodea	Clare	2 3	2 2	2 2	0	3 3	2 0	4 5	1 1	0 0	1	0 1	1	1	0	0 0	20	0 0	33 33	60.6 60.6
1505	Bealnalicka	Clare Clare	3	2	2	1	3	3	5 4	1	1	1	1	1	1	0 0	0	20 24	0	33	00.0 72.7
1507	Cloggagh Wood	Clare	3	2	2	1	3	3 1	4	2	1	1	1	0	1	1	0	24 25	0	33	75.8
1508	Ardcarney	Clare	4	3	2	0	3	3	4 5	2	0	0	1	1	1	0	0	25 24	0	33 33	75.8 72.7
1509	Ross	Clare	4	3 2	2	0	3	3 3	5 4	1	1	1	1	1	1	0	0	24 24	0	33 33	72.7
1510	Ballymacloon East	Clare	4	2	2	0	3	3 2	4	1	0	1	0	0	1	0	0	24 20	0	33 33	60.6
1511	Caher Rice	Clare	4	2	2	2	3 1	2	4	0	1	0	1	1	0	0	0	20 18	0	33 33	54.5
1512	Cahircalla Wood	Clare	3	3 2	2	2	1	3	4	2	1	1	1	1	1	0	0	23	0	33 33	54.5 69.7
1513	Ballyconry	Clare	7	<u> </u>	1	0	3	0	4	1	0	1	0	0	0	0	0	12	0	33	36.4

> *	Dead L	ie ^s	6				
ອີ 	de teatu	Woodlage Futage	prings Score		Nat a	ailable re	
IUr	Annet	TUTA	^r score	Missi	Mata	all score	
	2	1	22			100.0	

					6							6			debris ,		000				
			Vascu		hetheess nytericht Free	hess hereit	-S	(H)	•		Noodlar 18405	TYPES	habiate		TUTES	Dead V	S	、			
				mi	il ^o ich	Reserved to the test	10' aive	Basal Ar Basal Ar	anea Area	,	Har	0	habitats	, ⁴⁶	^{,2} ,5	, V all	Woodlar Tuta S	,0		Nat av	ve
				at plice .	Mer.	gene	tal	Basa.	ું ઉદ્ય		NOOL		habit	dica	depri	de le	Noodlar Tuta S	oring		Valle	ailab
			(SCU	NU NOP	a la construction de la construc	No Nilo	N. ative	tab		ative	aps	xi ^{S'}	n udrol	, 000°	anni	° net	10	pi score	issi	10 at an	aila. oloscore
			7.0	&`,	4 ⁴ 0	40	40	40	PI.	40	~~	AQ.	411	No	We	Þ.	10	90 90	Wi	We	0/05
Site No.	Woodland Name	Max. Score County	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
1515	Garrannon Woods	Clare	4	3	2	2	3	2	4	2	1	0	1	1	1	1	0	27	0	33	81.8
1516	Craggaunowen	Clare	3	2	2	1	2	1	3	2	0	1	1	1	1	0	0	20	0	33	60.6
1519	Feagarroge	Clare	3	2	1	1	1	0	2	0	1	0	0	0	0	1	0	12	0	33	36.4
1520	Carrowdotia South	Clare	2	1	0	1	1	1	3	0	1	1	0	0	1	1	0 0	13	0	33	39.4
1522	Kilmore (Clare)	Clare	3	1	1	0	3	0	2	1	1	1	1	1	1	0	0	16	0	33	48.5
1527	Magherabaun	Clare	1	3	1	1	3	0	2	1	1	0	1	1	1	1	0	17	0	33	51.5
1534	Muckinish	Clare	1	2	2	0	3	0	2	1	0	0	1	1	0	0	0	13	0	33	39.4
1535	Gragan West	Clare	1	2	2	1	3	1	4	1	0	1	0	0	1	0	0	17	0	33	51.5
1537	Slieve Carran	Clare	1	1	0	0	3	1	3	1	0	1	1	0	1	0	0	13	0	33	39.4
1538	Ballyeighter	Clare	3	3	2	0	0	3	4	1	1	1	0	1	1	0	0	20	0	33	60.6
1539	Boulleevin West	Clare	1	2	1	0	3	1	3	1	0	0	0	0	1	0	0	13	0	33	39.4
1540	Bouleevin East	Clare	1	1	1	0	3	0	3	1	0	1	0	0	1	0	0	12	0	33	36.4
1541	Clab	Clare	1	2	1	0	3	1	1	1	0	1	1	1	0	0	0	13	0	33	39.4
1542	Knockanira	Clare	3	3	2	2	3	0	0	1	1	1	1	0	1	0	0	18	0	33	54.5
1543	Glenmore Wood	Waterford	3	3	2	1	3	1	4	2	1	1	1	1	1	1	0	25	0	33	75.8
1545	Barranamanoge Wood	Waterford	4	3	0	1	1	0	4	1	1	1	1	1	1	0	0	19	0	33	57.6
1547	Ballyogan Beg	Clare	1	1	1	0	3	1	3	1	0	1	0	0	1	0	0	13	0	33	39.4
1549	Cahiracon South	Clare	1	1	2	2	3	0	1	2	1	1	0	1	1	1	0	17	0	33	51.5
1552	Cahermurphy	Clare	4	3	2	2	3	2	3	2	1	1	1	1	1	1	0	27	0	33	81.8
1554	Knocknageeha	Clare	4	2	2	2	2	1	3	3	1	1	1	1	1	1	0	25	0	33	75.8
1555	Glenomra Wood	Clare	4	3	2	0	3	2	4	3	1	1	1	0	1	2	0	27	0	33	81.8
1559	Cregg	Clare	2	3	2	0	3	0	4	2	0	1	1	1	0	0	0	19	0	33	57.6
1560	Dooros	Clare	3	3	2	0	3	0	2	2	0	1	1	1	0	1	0	19	0	33	57.6
1561	Knockaphort	Clare	4	3	2	1	3	1	4	2	0	1	1	0	0	1	0	23	0	33	69.7
1562	Drummaan South	Clare	4	2	2	1	3	1	3	2	0	1	1	1	1	1	0	23	0	33	69.7
1563	Aughinish Wood	Clare	1	2	2	0	3	0	2	1	1	1	0	0	0	0	0	13	0	33	39.4
1564	Cappaghbaun Park	Clare	4	3	1	1	3	3	4	3	0	1	1	1	1	1	0	27	0	33	81.8
1567	Maryfort	Clare	4	2	2	2	3	0	4	3	1	1	1	0	1	1	0	25	0	33	75.8
1568	Leaghort	Clare	3	3	1	0	3	0	2	1	0	1	1	1	1	0	0	17	0	33	51.5
1569	Caherkinallia Wood	Clare	2	2	2	1	3	1	1	2	0	1	0	0	1	1	0	17	0	33	51.5
1571	Poulivaun Wood	Clare	2	1	2	0	3	1	4	1	1	0	1	0	1	0	0	17	0	33	51.5
1573	Ballymoloney Woods	Clare	2	2	1	1	3	0	0	1	0	1	0	1	1	0	0	13	0	33	39.4
1574	Ballygarreen	Clare	4	3	2	1	3	1	4	1	0	1	1	1	1	1	0	24	0	33	72.7
1575	Carrownakilly	Clare	4	3	2	1	1	0	2	2	0	1	1	0	1	0	0	18	0	33	54.5
1577	Doonass Demesne	Clare	2	2	2	1	1	1	1	1	1	0	1	1	0	1	0	15	0	33	45.5
1578	Ballymacdonnell	Clare	2	2	2	0	3	0	2	1	0	1	1	1	1	0	0	16	0	33	48.5
1579	Cullaun Woods	Clare	4	3	2	0	3	1	2	1	1	1	1	1	0	1	0	21	0	33	63.6
1580	Ballykelly Woods	Clare	3	3 3	2 2	2 0	3 3	0 0	3 3	1 1	1	1 0	1 1	0 0	1 0	1 0	0 0	22 18	0 0	33 33	66.7 54.5
1585	Cragbrien	Clare	4																		

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Site No.	Woodland Name	County			-																
1587	Derrymore Wood	Clare	4 3	3	2	1	3 3	0	4 3	1	1 1	1 1	1	0 0	1 1	1 1	0 0	23 21	0 0	33	69.7
1588 1591	Derrygoul Wood Commons South	Clare Clare	3 2	3 1	2 2	0 0	3	1 2	3	2 1	0	0	0 1	0	1	0	0	21 16	0	33 33	63.6 48.5
1591	Garryland Wood		2 4	3	2	2	3 3	2	3 5	3	1	1	1	1	1	1	0	31	0	33 33	46.5 93.9
1594	Ballynastaig Wood	Galway Galway	4	3	2	2	3	3 2	3	3 2	1	1	1	0	1	0	0	23	0	33 33	93.9 69.7
1595	Normangrove	Galway	4	3	2	0	3	2	3 4	2	0	1	0	1	1	0	0	23 22	0	33 33	69.7 66.7
1590	Gortacarnaun	Galway	4	3	2	0	3	3	4 5	3	1	1	1	1	1	1	0	22	0	33	87.9
1597	Gortnahoon	Galway	2	2	2	0	3	3	4	1	1	1	0	1	1	0	0	29 21	0	33	63.6
1600	Shannawoneen Wood	Galway	4	2	2	1	3	3	4	3	1	1	1	1	1	1	0	29	0	33	87.9
1601	Derryclare	Galway	4	3	2	2	3	3	3	2	1	1	1	1	1	2	0	29	0	33	87.9
1602	Ballynahinch	Galway	4	3	2	2 1	3	1	3	2	1	0	1	1	0	2	0	29	0	33	66.7
1603	Killymonaun	Galway	4	3	2	0	3	2	2	1	0	1	1	1	0	0	0	20	0	33	60.6
1605	Furbogh Wood	Galway	3	2	0	1	3	3	4	1	1	1	1	1	1	1	0	23	0	33	69.7
1606	Ross Demense	Galway	2	2	2	0	2	0	1	1	1	1	1	1	0	0	0	14	0	33	42.4
1608	Derrycrag Wood	Galway	4	3	1	2	1	2	4	1	1	0	1	1	1	1	0	23	0	33	69.7
1609	Rosturra Wood	Galway	2	2	2	0	3	0	2	2	1	1	0	1	0	0	0	16	0	33	48.5
1610	Pollnaknockaun Wood	Galway	4	3	2	2	3	0	5	2	1	1	1	1	1	1	0	27	0	33	40.5 81.8
1612	Killaghmore	Galway	2	3	0	1	2	0	1	1	1	1	0	0	0	0	0	12	0	33	36.4
1614	Rinmaher Wood	Galway	4	2	2	0	3	2	3	2	1	1	1	0	0	1	0	22	0	33	66.7
1616	Garryduff	Galway	4	2	2	1	3	2	3	2	1	1	1	1	1	1	0	25	0	33	75.8
1617	Brimnoge Island	Galway	4	2	2	1	3	0	0	2	0	0	1	0	0	0	0	12	0	33	36.4
1618	Clonfert (Seymour) North	Galway	3	2	2	1	3	1	2	1	1	1	1	0	1	0	0	19	0	33	57.6
1619	Derryvunlam	Galway	3	3	2	1	3	1	4	1	1	0	1	0	1	0	0	21	0	33	63.6
1621	Limepark North	Galway	4	2	2	0	3	2	4	1	1	0	0	1	1	0	0	21	0	33	63.6
1622	Horse Shoe Wood	Galway	3	3	2	2	3	0	4	2	1	1	0	1	1	1	0	24	0	33	72.7
1624	Annaghwood	Galway	4	3	2	2	3	3	3	2	1	0	1	1	0	2	0	27	0	33	81.8
1625	Drumsnauv	Galway	2	3	2	0	3	3	2	1	0	0	1	1	0	0	0	18	0	33	54.5
1626	Lismore Woods	Waterford	4	3	2	2	3	3	5	2	1	1	1	1	1	0	0	29	0	33	87.9
1629	Clydagh	Galway	4	3	2	1	3	3	4	2	1	0	1	0	1	0	0 0	25	0	33	75.8
1630	Kilbeg Lower	Galway	4	3	2	1	3	3	3	3	1	1	1	1	0	0	0 0	26	0	33	78.8
1635	Ellis Wood	Galway	3	1	0	0	3	0	0	1	0	1	1	1	1	0	0	12	0	33	36.4
1636	Garbally Demesne	Galway	4	3	2	2	3	2	3	3	1	0	1	0	0	1	0	25	0	33	75.8
1642	Barna	Galway	1	1	2	1	3	0	1	1	1	1	0	0	1	0	0	13	0	33	39.4
1643	Dernasliggaun Wood	Galway	3	3	1	1	3	0	3	2	0	1	1	0	0	1	0	19	0	33	57.6
1646	Skehanagh	Galway	3	2	2	0	3	2	1	1	1	1	1	0	1	0	0	18	0	33	54.5
1648	Barroughter	Galway	1	2	2	0	3	0	1	1	0	1	0	0	0	0	0	11	0	33	33.3
1649	Barranny	Galway	1	1	2	0	3	0	0	1	0	1	0	0	0	1	0	10	0	33	30.3
1650	Aghrane	Galway	3	3	2	0	3	0	2	2	1	1	1	1	0	0	0	19	0	33	57.6
1653	Ballyglooneen	Galway	2	2	1	0	1	0	0	1	1	0	1	1	1	0	0 0	11	0	33	33.3
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			18.	80	4 ⁴⁰	40	40	40	Art	40	1 ⁶⁰	bo,	44	140	Wo	AU	13.	SC	MIL	Wo	0/0
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Site No. 1655	Woodland Name	County	2	2		0	0		1	1	1	1	1	0		1		15	0	20	45.5
	Moy Beg	Clare			1	0	3	0	1	•			1	-	1		0	15	0	33	
1656	Sylaun	Galway	2	3	1	0	2	0	-	1	1 1	1	1	0	0	0	0	13	0	33	39.4
1657	Cregballymore	Galway	4	3	2	0	3	3	4	1	•	1	•	0	1	0	0	24	0	33	72.7
1658	Toomard	Galway	2	3	2	0	3	0	1	2	0	1	1	1	0	0	0	16	0	33	48.5
1659	Marnellsgrove	Galway	1	2	2	1	3	0	1	1	1	0	1	1	1	0	0	15	0	33	45.5
1660	Abbert Demesne	Galway	3	3	1	1	3	0	2	3	1	1	1	0	0	0	0	19	0	33	57.6
1661	Gowla	Galway	2	2	1	0	3	0	3	2	1	1	1	0	0	0	0	16	0	33	48.5
1664	Monivea Demesne	Galway	1	3	1	1	3	0	1	1	0	1	0	0	1	0	0	13	0	33	39.4
1665	Clooncah	Galway	4	3	2	1	3	2	3	2	1	1	1	0	1	1	0	25	0	33	75.8
1666	Raford	Galway	4	3	2	0	3	1	4	2	0	1	1	0	0	0	0	21	0	33	63.6
1668	Bog Wood	Galway	2	3	2	0	2	0	2	1	1	0	1	0	1	0	0	15	0	33	45.5
1669	Cuscarrick	Galway	3	3	2	1	2	1	1	1	1	0	1	0	1	1	0	18	0	33	54.5
1670	Stradbally Woods	Waterford	4	3	2	2	3	1	4	1	1	1	1	1	1	1	0	26	0	33	78.8
1671	Lavally	Galway	3	3	2	1	3	2	4	1	1	0	0	1	1	0	0	22	0	33	66.7
1672	Mountbellew Demesne	Galway	1	2	2	1	3	0	2	1	0	0	0	1	0	0	0	13	0	33	39.4
1673	Glenribbeen Wood	Waterford	2	3	1	2	3	1	4	1	1	1	1	1	1	1	0	23	0	33	69.7
1674	Ardbear	Galway	4	3	2	2	3	1	3	1	1	1	1	1	1	1	0	25	0	33	75.8
1677	Conagher	Galway	3	3	1	1	3	0	1	2	1	1	1	0	1	0	0	18	0	33	54.5
1678	Ballyvoe	Clare	3	3	2	0	3	0	0	1	0	1	1	0	0	0	0	14	0	33	42.4
1681	Convoy Demesne	Donegal	2	2	2	0	3	1	2	1	1	1	1	0	1	0	0	17	0	33	51.5
1682	Glinsk	Donegal	4	3	2	0	3	2	1	3	1	1	1	1	1	0	0	23	0	33	69.7
1683	Keadew Upper	Donegal	2	3	1	0	3	0	1	1	1	1	1	0	1	0	0	15	0	33	45.5
1684	Lahardaun West	Galway	4	3	2	1	3	0	2	3	1	0	1	1	1	1	0	23	0	33	69.7
1686	Crolly Bridge Woods	Donegal	3	3	2	1	3	1	3	2	0	1	1	0	1	1	0	22	0	33	66.7
1690	Roxborough Glebe	Donegal	4	3	1	0	3	1	2	2	0	1	1	0	1	1	0	20	0	33	60.6
1691	Barkillew	Donegal	4	3	1	1	3	1	2	3	0	1	1	0	1	0	0	21	0	33	63.6
1692	Bracky	Donegal	4	3	1	1	3	1	1	3	0	1	1	0	1	0	0	20	0	33	60.6
1694	Derrynamansher	Donegal	3	3	2	0	3	1	2	2	0	1	1	1	1	0	0	20	0	33	60.6
1695	Carrow Cashel	Donegal	3	3	2	1	1	0	2	0	1	1	1	1	1	1	0	18	0	33	54.5
1697	Norrira	Donegal	2	3	0	0	1	0	1	0	1	0	1	1	1	0	0	11	0	33	33.3
1699	Carrowmore	Donegal	3	3	0	0	3	1	2	1	1	1	1	1	0	0	0	17	0	33	51.5
1702	Cranny Upper	Donegal	3	3	2	1	3	1	3	1	1	1	1	0	1	0	0	21	0	33	63.6
1705	Feddyglass Northeast	Donegal	3	3	2	0	3	3	1	2	1	1	1	0	1	0	0	21	0	33	63.6
1706	Knockbrack	Donegal	1	3	2	0	3	0	0	1	0	1	1	0	0	0	0	12	0	33	36.4
1707	Doon Island Wood	Clare	2	2	2	1	3	0	1	2	0	1	1	1	0	0	0	16	0	33	48.5
1708	Violethill	Clare	2	3	2	0	3	0	2	2	1	1	1	1	1	1	0	20	Õ	33	60.6
1709	Ballynacourty Wood	Limerick	1	2	2	0	3	0	3	2	1	0	0	0	1	1	0	16	Ő	33	48.5
1710	Ballintlea Wood	Limerick	3	3	1	1	2	0	4	1	1	0	1	1	1	1	0	20	0	33	60.6
1711	Ballyseedy Wood	Kerry	4	3	2	2	3	2	4	2	1	1	1	1	1	1	0	28	Õ	33	84.8
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1715 Drombane Kerry 4 3 2 1 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 2 0 1 1 1 1 1 0	
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1720 Burnham Woodland Kerry 3 1 1 2 2 0 2 1 0 1 1 1 0 0 15 0 1724 Derrymore East Kerry 2 2 0 2 3 0 0 1 0 1 1 0 0 15 0 1725 Ballyheigue Kerry 2 2 2 0 3 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0 0 1 0 0 0 1 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0	33 45.5
1722 Liscarney Kery 2 2 0 2 3 0 2 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1	33 60.6
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1727 Reacasagh Wood Kerry 2 2 2 0 3 0 1 1 1 1 1 1 0 0 0 15 0 1729 Cloghane Kerry 3 1 2 1 3 0 0 1 1 0 1 0 0 14 0 1730 Killaclohane Kerry 2 3 2 2 1 3 0 2 1 0 1 1 0 1 0 0 0 16 0 1733 Derreeny Kerry 3 2 2 1 3 0 2 1 0 1 1 1 0 0 0 16 0 1735 Carig East Kerry 4 2 2 1 3 0 4 1 0 1 1 0 1 1 0 2 2 0 1 3 0 1 1 0 1 1	33 42.4
1729 Cloghane Kery 3 1 2 1 3 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 0 1 0 0 1 1 1 1 1 0 1 0 0 1 1 1 0 1 0 1 0 0 1 1 1 1 0 0 1 1 0 1 1 1 0 0 1 0 1 1 1 0 1 0 1 0 1 1 0 1 0 0 1	33 27.3
1730 Killaclohane Kerry 3 2 2 1 3 0 2 1 1 0 1 1 1 0 0 18 0 1731 Tulligealane Kerry 2 3 2 1 3 0 1 1 0 1 1 0 1 0 16 0 1733 Derreeny Kerry 2 3 1 3 0 2 1 0 1 1 1 1 0 0 16 0 1734 Drom East Kerry 4 3 2 1 3 0 4 1 1 1 1 1 0 23 0 1735 Carrig East Kerry 4 2 2 1 3 2 3 1 1 1 1 1 0 23 0 1 1737 Graigues Kerry 3 2 2 1 3 0 1 1 1	33 45.5
1731 Tulligealane Kery 2 3 2 1 3 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 0 0 1 1 0 0 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0	33 42.4
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1734 Drom East Kerry 3 2 2 1 3 1 4 1	33 48.5
1735Carrig EastKerry4321324301111102701736Oolagh EastKerry422130410111102201737GraiguesKerry332132311111102301739Kilgortaree WoodKerry22213132101101102301742DrombegKerry32221300111001401401745Banemore WoodKerry33213001110001401745Banemore WoodKerry3321301111002101746BraumaddraKerry332130121111102101747Dromin UpperKerry421231421111102101748GlanageentyKerry32<	33 48.5
1736Oolagh EastKerry4221304101111102201737GraiguesKerry33213231111101102301739Kilgortaree WoodKerry2221313210101102001742DrombegKerry322213001101001401401743TarbertKerry12221300111001401401401745Banemore WoodKerry33213011110014014014014014014014014014017451745Banemore WoodKerry3321311111101102101401401401401401401401411110140140141	33 69.7
1737GraiguesKery33213231111101102301739Kilgortaree WoodKerry2221313210101102001742DrombegKerry3221300100101001401743TarbertKerry122213131111001401745Banemore WoodKerry3321313111101102201746BraumaddraKerry3321301111102101747Dromin UpperKerry421201211111001801748GlanageentyKerry3222303110111002501749Dooneen WoodKerry3222303110111001501749Dooneen Wood<	33 81.8
1739Kilgortaree WoodKerry22221313210101102001742DrombegKerry3221300100101001401743TarbertKerry122210301110001401745Banemore WoodKerry3321313111100001401746BraumaddraKerry33213012111102101747Dromin UpperKerry42120121111102101748GlanageentyKerry32223031111102101749Dooneen WoodKerry322230311011102101751BeheenaghKerry3220302200111101501754GortnaskeaghKerry32	33 66.7
1742DrombegKerry32213001001001001401743TarbertKerry1222103011100001401745Banemore WoodKerry33213131111010001401746BraumaddraKerry3321301211111102101747Dromin UpperKerry421201211111102501748GlanageentyKerry322230311111102101749Dooneen WoodKerry322203022001111001501751BeheenaghKerry32203021111001701755WhitefieldKerry3220302111110110180 <td>33 69.7</td>	33 69.7
1743 Tarbert Kerry 1 2 2 2 1 0 3 0 1 1 1 0 0 0 0 14 0 1745 Banemore Wood Kerry 3 3 2 1 3 1 3 1 1 1 0 1 1 0 22 0 1746 Braumaddra Kerry 3 3 2 1 3 0 1 2 1 1 1 1 1 0 21 0 1747 Dromin Upper Kerry 4 2 1 2 1 1 1 1 1 0 21 0 1748 Glanageenty Kerry 4 3 1 2 3 1 4 2 1 0 1 1 1 0 25 0 1749 Dooneen Wood Kerry 3 2 2 2 0 3 1 1 0 1 1 0	33 60.6
1745Banemore WoodKerry3321313111101102201746BraumaddraKerry3321301211111102201747Dromin UpperKerry421201211111102101748GlanageentyKerry431231421011102501749Dooneen WoodKerry322230311011102101751BeheenaghKerry32220302200111001501754GortnaskeaghKerry3220302111101101101101101101101011010110110110110110110110110110 <td< td=""><td>33 42.4</td></td<>	33 42.4
1746BraumaddraKerry3321301211111102101747Dromin UpperKerry4212012111111001801748GlanageentyKerry43123142101111001801749Dooneen WoodKerry322230311011102101751BeheenaghKerry322203022001010101501754GortnaskeaghKerry322030211110017701755WhitefieldKerry3220302111101101801756BallynamuddaghCork/Waterford331130411110022001758BallynagaulCork431110321111100200 <td>33 42.4</td>	33 42.4
1747Dromin UpperKerry421201211<	33 66.7
1748GlanageentyKerry431231421011102501749Dooneen WoodKerry322230311011102101751BeheenaghKerry2220302200110101501754GortnaskeaghKerry321131110110101701755WhitefieldKerry322030211101101801756BallynamuddaghCork/Waterford33113041111102201758BallynagaulCork431110321111100200	33 63.6
1749Dooneen WoodKerry3222230311011102101751BeheenaghKerry22203022001010101010101501754GortnaskeaghKerry321131110111001701755WhitefieldKerry3220302111101101801756BallynamuddaghCork/Waterford33113041111102201758BallynagaulCork43111032111100200	33 54.5
1751BeheenaghKerry2220302200101001501754GortnaskeaghKerry321131110111001701755WhitefieldKerry3220302111101101801756BallynamuddaghCork/Waterford33113041111102201758BallynagaulCork43111032111100200	33 75.8
1754GortnaskeaghKerry321131110111001701755WhitefieldKerry3220302111101101801756BallynamuddaghCork/Waterford33113041111102201758BallynagaulCork43111032111100200	33 63.6
1755WhitefieldKerry322030211101101801756BallynamuddaghCork/Waterford331130411111102201758BallynagaulCork4311103211110200	33 45.5
1756BallynamuddaghCork/Waterford331130411111102201758BallynagaulCork431103211110220	33 51.5
1758 Ballynagaul Cork 4 3 1 1 1 0 3 2 1 1 1 1 1 0 0 20 0	33 54.5
	33 66.7
1759 Argadh Wood Kerry 3 2 2 2 3 0 3 3 1 1 1 1 1 2 0 25 0	33 60.6
	33 75.8
1760 Brennan's Glen Kerry 4 2 0 1 3 1 3 2 1 0 1 1 1 1 0 21 0	33 63.6
1763 Pontoon Woods Mayo 4 3 2 1 3 1 5 2 1 1 1 0 27 0	
1768 Barnarinia Mayo 4 3 2 0 3 1 4 1 1 1 1 0 23 1	33 81.8
1769 Raheens Mayo 4 3 2 1 3 1 4 2 1 1 1 0 0 25 0	3381.83271.9
1770 Kilbride Mayo 4 3 2 1 3 2 4 1 x 1 1 0 1 1 0 24 1	3381.83271.93375.8
1772 Portroyal Mayo 2 2 2 0 3 2 4 1 0 1 1 1 0 20 0	3381.83271.93375.83275.0
1774 Creevagh north Mayo 1 2 2 3 2 4 1 0 1 0 18 0 1775 Coolcronaun Mayo 1 2 1 3 1 4 1 0 1 1 0 18 0	33 81.8 32 71.9 33 75.8 32 75.0 33 60.6
1775 Coolcronaun Mayo 1 2 2 1 3 1 4 1 0 1 1 0 0 19 0	3381.83271.93375.83275.0

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				ni	i ^{lo.} .ch	hegenerative Horit	101 cive	Basal Av		6	Har	9	n habitate	, 'te	2 ⁰¹¹ .5,	V all	Woodlast Tuta	<i>10</i>		Nat av	2
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			132	80	41 ⁶	40.	43.	40.	Pic	43.	1 ⁰ "	40,	442	1/0	W _o .	PU.	111	Sco	Mis	Mo.	0/0
<u> </u>		Max. Score	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
Site No.	Woodland Name	County		0			0							-				00	0		
1777 1778	Brackloon Woods Oldhead Wood	Mayo Mayo	4 4	3 3	2 2	2 1	3 3	1 1	4 4	3 1	1 1	1 1	1 1	1 1	1 1	1 1	0 0	28 25	0 0	33 33	84.8 75.8
1779	Ardogommon Wood	Mayo	4	2	2	0	3	1	4	1	1	1	0	0	1	0	0	18	0	33	75.8 54.5
1785	Treanlaur	Mayo	4	3	1	1	3	0	4	1	0	1	1	1	1	1	0	22	0	33	66.7
1786	Rosturk	Mayo	3	2	0	1	1	0	3	1	0	1	1	1	1	0	0	15	0	33	45.5
1789	Ballinknockane	Kerry	1	2	2	1	2	1	1	1	1	0	1	1	0	1	0	15	0	33	45.5
1790	Carrigeen Wood	Kerry	3	3	1	1	3	0	1	1	1	1	1	1	0	1	0	18	0	33	54.5
1791	Farrantooreen	Kerry	3	2	1	0	3	0	3	1	0	1	1	1	0	1	0	17	0	33	51.5
1792	Glanbalyma	Kerry	4	3	1	1	3	1	3	2	1	1	1	1	1	1	0	24	0	33	72.7
1793	Old Pike Wood	Kerry	3	1	1	2	3	1	1	1	1	1	0	0	0	1	0	16	0	33	48.5
1794	Mucksna Wood	Kerry	4	3	1	2	2	1	3	0	1	1	1	1	1	1	0	22	0	33	66.7
1795	Kinlooey	Mayo	4	3	2	0	3	2	2	1	1	1	1	0	1	0	0	21	0	33	63.6
1796	Derrymore	Mayo	3	2	2	1	3	1	4	2	1	1	1	1	1	1	0	24	0	33	72.7
1797	Carrowrevagh	Mayo	2	3	0	1	3	0	2	1	1	1	1	0	1	1	0	17	0	33	51.5
1798	Lankill	Mayo	4	3	1	2	3	1	3	1	1	1	1	0	1	1	0	23	0	33	69.7
1799	Aillebaun	Mayo	4	3	0	0	3	0	4	1	1	1	1	1	1	1	0	21	0	33	63.6
1800	Prospect	Mayo	4	3	2	1	3	1	5	2	1	1	1	1	1	1	0	27	0	33	81.8
1802	Cahermush	Mayo	1	2 2	2 1	1	3 3	1 0	2 3	1 1	0 1	1	0 1	1 0	1 1	0 0	0 0	16	0 0	33	48.5 60.6
1803 1804	Palmerstown Tawnyinlough	Mayo	4	2	2	2 0	3	1	3	1	1	- 1	1	0	0	0	0	20 20	0	33 33	60.6 60.6
1804	Culliagh Wood	Mayo Mayo	4 2	3	2	1	3	1	3	1	1	1	0	1	1	1	0	20 21	0	33 33	63.6
1805	Clooneen (Mayo)	Mayo	2	2	2	0	3	0	4	1	0	1	1	1	1	0	0	17	0	33	51.5
1807	Coolaght	Mayo	4	2	2	1	3	1	3	2	0	1	1	1	1	1	0	23	0	33	69.7
1808	Knockbaun	Mayo	4	3	1	2	3	1	4	2	1	1	1	1	1	0	0	25	0	33	75.8
1810	Creggarve	Mayo	3	2	2	0	3	3	3	1	1	1	0	0	1	0	0	20	0	33	60.6
1811	Liskilleen	Mayo	3	3	2	0	3	3	3	1	1	1	0 0	0	1	0	0	21	0	33	63.6
1812	Ballycong	Mayo	3	2	2	0	3	0	4	2	0	1	1	1	1	0	0	20	0	33	60.6
1814	Barcull	Mayo	2	2	2	1	3	1	1	1	0	1	1	0	1	1	0	17	0	33	51.5
1816	Ballyhamlet	Waterford	4	3	2	1	3	1	4	3	1	1	1	0	1	1	0	26	0	33	78.8
1818	White Well Wood	Waterford	4	3	2	1	1	2	4	1	1	1	1	1	1	0	0	23	0	33	69.7
1819	The Grove	Waterford	4	2	2	2	2	2	3	1	1	1	1	1	1	1	0	24	0	33	72.7
1820	Killeeshal	Waterford	4	3	1	0	3	0	3	1	1	1	1	1	1	1	0	21	0	33	63.6
1821	Knocknaree	Waterford	3	1	1	0	3	0	4	2	1	1	1	0	1	1	0	19	0	33	57.6
1822	Knockaunbrandaun	Waterford	2	2	0	1	3	0	4	1	0	1	1	0	1	0	0	16	0	33	48.5
1823	Mountbolton	Waterford	2	1	0	0	0	0	4	1	1	1	1	1	1	1	0	14	0	33	42.4
1824	Dromana	Waterford	3	2	0	1	0	1	2	1	1	0	1	1	0	1	0	14	0	33	42.4
1826	Ballyeelinan Wood	Waterford	3	2	1	1	3	0	2	1	0	1	1	0	0	0	0	15	0	33	45.5
1827	Bohadoon South	Waterford	3	3	2	1	3	0	2	2	1	1	1	1	1	1	0	22	0	33	66.7
1830	Knockafrehane	Waterford	2	3	0	1	3	0	3	2	1	1	1	1	1	1	0	20	0	33	60.6

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			Vascu		nyte rich	Regenerative Horitc	s.	HI	•			TYPE	n habitate		AUTES	Dead .	Ş	2			
				ant	ine inch	hegenerative Horit	JU GINP	Basal Ar	eie au	9	diar	,io	n habitate	`_{fe	3 ⁰	Deau ade teatur	ile diar	,0 		Nat av	allable
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			12500	aryop		, voit	Native	Notab	Neo	Jative	18A05	dist	, waro	. N000	Nann	" nnet	, uta	score	Missil	Nat a	allar oloscore
		Max. Score	4	х 3	2	ו 2	5	3	۰ 5	3	1	۲ 1	1	1	1	r 2	1	33	<i>h</i> .	<i>h</i> .	100.0
Site No.	Woodland Name	County	•	•	_	_		•	•	•	-	-	-	-	-	_					
1831	Ballymacarbry	Waterford	2	2	2	1	3	0	3	2	0	1	1	1	1	0	0	19	0	33	57.6
1832	Tower Wood	Waterford	1	1	0	0	3	0	3	1	1	1	0	1	1	1	0	14	0	33	42.4
1833	Kilmacomma	Waterford	3	2	2	0	3	0	2	1	0	0	1	1	1	0	0	16	0	33	48.5
1834	Lyranearla	Waterford	1	1	0	2	3	0	2	1	1	1	1	1	1	1	0	16	0	33	48.5
1835	Clonea	Waterford	1	2	2	0	3	0	2	1	1	0	0	0	1	1	0	14	0	33	42.4
1837	Ballindysert	Waterford	3	1	2	1	3	0	3	1	1	1	1	1	1	1	0	20	0	33	60.6
1838	Amberhill	Waterford	4	3	2	1	3	0	1	2	0	1	1	1	1	1	0	21	0	33	63.6
839	Ballycanvan Big	Waterford	3	3	1	1	3	1	2	1	1	1	1	0	1	1	0	20	0	33	60.6
842	Cladagh	Waterford	4	3	1	0	3	1	4	2	1	1	1	1	1	1	0	24	0	33	72.7
844	Rincrew Wood	Waterford	4	3	1	1	2	0	4	2	1	1	0	1	1	1	0	22	0	33	66.7
846	Ballynatray Demesne West	Waterford	3	3	0	2	3	1	4	2	1	1	1	1	1	1	0	24	0	33	72.7
849	Kilcannon	Waterford	1	2	2	0	3	0	3	1	0	1	1	1	1	1	0	17	0	33	51.5
851	Blenheim	Waterford	2	1	2	1	3	2	1	1	0	1	1	1	1	0	0	17	0	33	51.5
852	Toor Wood	Waterford	1	1	0	2	3	0	1	1	1	0	1	1	1	1	0	14	0	33	42.4
1853	Hazel Wood, Waterford	Waterford	3	2	2	2	3	0	2	2	1	1	1	1	1	1	0	22	0	33	66.7
1855	Carrigmoorna Wood	Waterford	1	2	1	1	2	0	3	1	1	1	0	1	1	0	0	15	0	33	45.5
1856	Cappanahanaagh	Limerick	4	3	2	0	3	0	4	2	0	1	1	1	0	0	0	21	0	33	63.6
1857	Newgarden North	Limerick	4	2	2	0	3	3	3	2	0	0	1	1	1	1	0	23	0	33	69.7
1858	Aughnaglanny Valley	Tipperary	4	3	2	1	3	1	5	3	1	1	1	1	1	1	0	28	0	33	84.8
1859	Grove Wood	Tipperary	4	1	1	1	3	1	4	1	1	0	1	1	1	1	0	21	0	33	63.6
860	Cappamurragh	Tipperary	4	2	0	0	3	0 1	4	2	0	1 0	1	1	0	0	0	18	0	33	54.5
1861	Knockanavar Wood	Tipperary	4	3 1	2	1	3	•	4	2	1 0	0	•	1	1 0	2 1	1	27	0	33	81.8
864	Glengarve Wood	Tipperary	1	-	0	1	3	0	1	1	-	0	0	1	-		0	10	0	33	30.3
865	Hollowpark	Mayo	4	2	2	2	2	1	3	1	1	1	0 1	1	1 1	0	0	21	0	33	63.6
866	Gortnafolla	Mayo	3 1	2 2	2	1	3	2 0	4 0	1	0	1	1	0		0	0 0	22	0	33	66.7 30.3
870 871	Scregg	Mayo	1	2	0 2	0 0	3 3	0	3	1	0	1	•	0 1	1 1	0 0	0	10	0 0	33 33	30.3 48.5
872	Newtown Wood (Mayo) Lissard More	Mayo Mayo	4	2	2	2	3	0	0	1	0	1	0 1	0	1	0	0	16 16	0	33 33	40.3
873	Cloonta	•	4	2	2	2	3	0	0	1	0	1	0	1	1	0	0	17	0	33 33	40. 51.
1873	Moyaliff	Mayo	4	3	2 1	1	3	1	4	2	1	1	1	1	0	1	0	24	0	33 33	51.: 72.7
1876	Drum Wood	Tipperary Tipperary	4 2	3	2	1	3	0	4 4	2	1	0	1	1	1	1	0	24 20	0	33 33	60.0
1878	Faha	Kerry	2	2	2	1	3	0	4 0	1	0	0	1	1	1	0	0	20 13	0	33	39.4
1884	Ballyhorgan	Kerry	1	2	2	1	3	0	0	1	1	0	1	0	0	0	0	12	0	33 33	39.4
1891	Turaheen	Tipperary	4	2	2	1	3	1	4	1	0	0	1	0	1	0	0	21	0	33	63.6
1892	Longorchard	Tipperary	4	2	2	0	3	0	4	1	0	1	1	1	1	0	0	19	0	33	57.6
1893	Kilduff	Tipperary	3 4	2	2	1	3	0	4	2	1	1	1	1	0	0	0	21	0	33 33	63.6
1894	Ballycrenode Wood	Tipperary	4	2	2	0	3	1	2	2	1	0	1	1	1	0	0	19	0	33 33	57.6
1895	Killough Hill	Tipperary	2	2 1	2 1	0	3	1	4	1	1	1	0	1	1	0	0	17	0	33	51.5
1896	Friar's Lough Wood	Tipperary	2	2	1	1	3	1	3	2	0	1	1	1	0	0	0	18	0	33	54.5
.000	That 3 Lough WOOd	ripperary	2	2	I	I	5	I	5	2	U	I	I	I	U	U	0	10	0	55	J4.

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				ant	io "cr	Hegenerative Hegenerative	ilo.	Basal Av	eile cile	ş	Har	<i>1</i> 0	n habitate	3 . fr	2 ⁹ , S	(V all	Woodan Tuta S	,0 		Nat av	N ⁰
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			(SCU	Nor Nor		AU MIL	N. ative	t diab		alive	, ADS	,	n udro	10 100 ⁰ 0	N ann	° net	10	p' score	issi	. 18 at at	alla. oloscore
			7.0	&``	4 ⁽⁰	40	40	40	P/-	40	~~	AQ.	44	No	Ne	Þ.	10	90 90	Wir	We	0/05
Site No.	Woodland Name	Max. Score County	4	3	2	2	3	3	5	3	1	1	1	1	1	2	1	33			100.0
1897	Lehinch	Tipperary	4	2	1	2	3	1	4	1	1	0	1	0	1	0	0	21	0	33	63.6
1898	Inchinsquillib Wood	Tipperary	2	3	2	1	3	0	2	1	1	0	1	1	1	1	0	19	0	33	57.6
1901	Powers Wood	Tipperary	2	1	2	0	3	1	2	1	1	1	1	1	1	0	0 0	17	Ő	33	51.5
1902	Scaragh Woods East	Tipperary	1	1	1	2	3	0	2	1	1	0	1	1	1	1	0	16	0	33	48.5
1903	Killavalla Wood	Tipperary	3	3	2	2	1	0	3	1	1	1	1	0	0	0	0	18	0	33	54.5
1904	Longford Wood	Tipperary	1	2	1	2	3	0	2	1	1	1	1	1	1	0	0	17	0	33	51.5
1905	Kyle	Tipperary	2	1	2	1	3	1	2	1	1	0	1	1	1	0	0	17	0	33	51.5
1906	Kyatlea	Tipperary	2	1	2	1	3	0	2	1	0	1	1	0	1	0	0	15	0	33	45.5
1907	Deer Park	Tipperary	1	1	0	1	2	0	2	1	0	0	1	1	0	0	0	10	0	33	30.3
1908	Drom	Kerry	3	2	2	0	3	1	4	1	0	1	1	1	1	0	0	20	0	33	60.6
1909	Keam	Kerry	3	3	1	2	3	0	2	2	0	1	1	1	1	1	0	21	0	33	63.6
1910	Rusheen	Kerry	1	1	2	2	1	0	1	0	0	0	0	1	1	0	0	10	0	33	30.3
1914	Formoyle West	Clare	2	2	2	0	3	1	1	1	0	1	0	0	1	0	0	14	0	33	42.4
1915	Ballymalis	Kerry	3	2	0	0	3	0	2	1	0	1	1	1	1	1	0	16	0	33	48.5
1916	Maulcallee	Kerry	4	2	2	1	3	2	3	2	1	1	1	1	1	1	0	25	0	33	75.8
1918	Beheens Wood	Kerry	3	3	1	0	3	0	1	1	1	0	1	1	1	1	0	17	0	33	51.5
1919	Foaty South	Cork	3	3	2	1	3	0	2	1	1	1	1	1	0	0	0	19	0	33	57.6
1920	Foaty North	Cork	2	2	1	2	1	0	3	0	1	1	1	1	0	0	0	15	0	33	45.5
1922	Ballydavid	Waterford	3	3	2	1	2	0	1	2	1	1	1	1	1	1	0	20	0	33	60.6
1923	Corville	Tipperary	2	2	2	0	1	1	4	1	1	0	1	0	0	0	0	15	0	33	45.5
1924	Patrickswell	Tipperary	4	1	2 2	1	3 2	1 0	2	2 1	1 1	1 1	1 1	1	1 1	1	0	22	0	33	66.7
1925	Taylor's Wood	Tipperary	2 4	1 2	2	0 1	2	0	3 2	2	1	1	1	0 1	1	0 1	0 0	15	0 0	33 33	45.5 66.7
1926 1927	Ballyphilip Kilcooly Abbey	Tipperary Tipperary	4 2	2	2	0	3 3	2	2	2	0	1	1	0	0	0	0	22 16	0	33	48.5
1927	Straheeny Grove	Galway	4	2	2	1	3	1	0	1	0	0	1	1	0	0	0	16	0	33	48.5
1920	Cahiracon North	Clare	3	2	2	2	3	0	1	2	0	1	1	1	0	0	0	18	0	33	40.5 54.5
1930	Ballynahinch Headland	Galway	4	2	2	2	3	1	1	1	1	1	1	1	0	1	0	21	0	33	63.6
1931	Doon Lough East	Clare	3	2	2	0	3	0	0	1	0	1	1	0	1	0	0	14	0	33	42.4
1932	Marl Bog	Tipperary	4	3	2	0	3	0	4	1	1	0	1	1	0	1	1	22	0	33	66.7
1933	Carrowkilleen	Mayo	1	2	2	0	3	0	0	1	0	1	1	0	1	0	0	12	0	33	36.4
1934	Clogher (Mayo)	Mayo	3	2	2	0	3	2	1	1	1	1	0	0	1	0	0 0	17	Õ	33	51.5
1935	Lugboy Demesne	Mayo	1	2	2	1	3	0	2	1	1	1	0	0	1	0	0	15	0	33	45.5
1936	Largan More	Mayo	3	3	1	0	3	0	1	1	0	1	1	0	1	0	0	15	0	33	45.5
1950	Bounla Island	Tipperary	3	2	2	0	3	1	3	1	0	1	1	1	0	1	0	19	0	33	57.6
1951	Ballinahinch	Tipperary	3	2	2	2	3	0	4	1	0	0	1	1	0	1	0	20	0	33	60.6
1952	Johnstown	Tipperary	1	2	1	1	2	0	2	0	1	1	0	0	0	0	0	11	0	33	33.3
1953	Castlelough	Tipperary	4	2	2	2	3	2	4	2	1	0	1	0	1	2	0	26	0	33	78.8
1954	Garrynatineel	Tipperary	4	3	2	1	3	0	4	1	0	1	1	0	1	0	0	21	0	33	63.6
1955	Moanroan	Tipperary	4	2	1	1	3	1	4	1	0	1	1	0	0	0	0	19	0	33	57.6

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Site No.	Woodland Name	County	4	3	2	2	3	3	5	3	1		1	1	1	2	-	33			100.0
1958	Kilvilcorris	Tipperary	3	3	2	0	3	0	3	2	0	1	1	0	0	0	0	18	0	33	54.5
1959	Kilross	Tipperary	4	3	2	1	3	0 0	1	1	0	1	1	1	1	1	0	20	0	33	60.6
1960	Kilcarron	Tipperary	3	3	1	0	3	Õ	1	1	1	0	1	0	1	0	0	15	0 0	33	45.5
1962	Glencoshabinnia	Tipperary	4	3	1	0	3	0	2	1	0	1	1	0	0	0	0	16	0	33	48.5
1963	Cornalack	Tipperary	4	3	2	1	3	2	1	1	1	0	1	0	1	1	0	21	0	33	63.6
1964	Ballyoughter	Tipperary	3	1	0	0	3	0	3	1	0	1	1	1	0	0	0	14	0	33	42.4
1967	Templemore Demesne	Tipperary	2	1	2	2	3	1	3	1	1	1	1	1	0	1	0	20	0	33	60.6
1968	Shanacloon (Fox Covert)	Tipperary	4	3	2	1	3	0	2	2	1	1	1	0	1	1	0	22	0	33	66.7
1969	Garryglass	Tipperary	2	3	1	0	3	0	2	2	0	1	1	1	0	0	0	16	0	33	48.5
1970	Rathurles	Tipperary	3	2	2	2	3	0	2	2	1	0	1	0	1	0	0	19	0	33	57.6
1972	Woodpark	Tipperary	2	1	1	0	3	0	0	1	1	0	0	1	1	0	0	11	0	33	33.3
1973	Borris Wood	Tipperary	1	2	1	1	3	0	1	1	1	0	0	0	0	0	0	11	0	33	33.3
1979	Mullagh	Limerick	3	2	1	0	3	1	1	1	0	1	1	1	1	0	0	16	0	33	48.5
1984	Nantinan	Limerick	3	2	2	1	0	0	2	2	1	0	1	0	1	0	0	15	0	33	45.5
1985	Lough Gur	Limerick	2	1	0	2	3	0	1	0	0	1	0	1	0	0	0	11	0	33	33.3
1986	Curraghchase Forest Park	Limerick	4	3	2	2	3	3	4	3	1	1	1	1	1	2	0	31	0	33	93.9
1989	Glin Demesne	Limerick	2	2	2	2	3	0	1	1	1	0	1	0	1	0	0	16	0	33	48.5
1993	Glenma	Limerick	2	2	1	1	3	1	2	1	1	0	1	0	1	0	0	16	0	33	48.5
1995	Gortnaskehy	Limerick	2	3	2	2	3	1	2	2	1	1	1	0	1	1	0	22	0	33	66.7
1996	Craggs	Limerick	4	2	1	0	3	3	2	1	1	1	1	1	1	0	0	21	0	33	63.6
1997	Aghinish	Mayo	2	3	2	0	3	1	1	1	0	1	1	1	0	0	0	16	0	33	48.5
1998	Curraghprevin	Cork	4	3	2	1	3	0	1	3	0	1	1	0	1	0	0	20	0	33	60.6
1999	Burnham East	Kerry	3	2	2	1	3	1	1	0	0	1	1	1	1	0	0	17	0	33	51.5
2000	Ballynahown	Clare	2	2	2	0	3	2	1	1	0	1	0	0	1	0	0	15	0	33	45.5
2001	Templeglentan West	Limerick	3	2	2	2	3	1	3	1	0	0	1	1	1	1	0	21	0	33	63.6
2002	Dromore North	Cork	3	2	2	0	3	0	1	2	1	1	1	1	1	1	0	19	0	33	57.6
2003	Cappagh	Cork	1	2	1	1	3	1	2	1	1	0	0	1	1	1	0	16	0	33	48.5
2012	Scartaglin	Kerry	1	2	2	1	3	0	1	1	1	1	0	1	1	1	0	16	0	33	48.5
2013	Derrylea	Kerry	1	2	0	1	3	1	4	1	1	1	1	0	1	1	0	18	0	33	54.5
2014	Ballahacommane	Kerry	1	2	1	0	3	0	2	1	1	1	0	0	1	1	0	14	0	33	42.4
2018	Belle Lake	Waterford	2	2	0	1	3	0	2	1	1	1	1	1	1	0	0	16	0	33	48.5
2019	Cloonmoylan	Galway	1	2	х	х	х	1	0	х	0	х	Х	х	х	1	х	5	9	18	N/A
2020	Sheheree Bog	Kerry	1	2	2	0	3	0	1	х	0	х	х	х	х	1	х	10	6	25	40.0

APPENDIX 5: TOP-RANKED SITES BY COUNTY

Appendix 5 details for each county the best quality sites in terms of their conservation value, as determined by conservation score. This covers all 26 counties surveyed. The top 10 sites from each county are shown (or more if 10th place is shared by more than one site). All 1,312 sites that received a conservation assessment were ranked; this overall ranking is shown for each site on the table. Note that sites are not numbered consecutively. Finally, any designations held by each site are also given.

County	Site	Woodland Name	%score	Overall ranking	Designation
Carlow	15	Borris	78.8%	=50	NHA, SAC
	310	Coolaphuca	69.7%	=125	NHA, SAC
	219	Ballypierce	57.6%	=383	
	10	Clogheristick Wood	54.5%	=461	NHA,
	26	Carrickduff Wood	54.5%	=461	NHA, SAC
	158	Altamont Gardens	54.5%	=461	NHA
	12	Oakpark	51.5%	=563	NHA
	14	Drummond Wood	51.5%	=563	SAC
	69	Toberbride	51.5%	=563	
	178	Orchard	51.5%	=563	
Cavan	345	Ballyconnell Demesne	84.8%	=16	NHA
	346	Deerpark (Cavan)	66.7%	=172	NHA
	446	Trinity Island Wood	66.7%	=172	NHA, SAC, SPA
	438	Black River Woods	63.6%	=236	
	351	Kingscourt Forest Park	60.6%	=312	
	652	Duncollog	60.6%	=312	
	1261	Derredis Upper	60.6%	=312	NHA, SAC, SPA
	454	Redhill Demense Wood	57.6%	=383	,,
	463	Derinish More Wood	57.6%	=383	NHA, SAC, SPA
	647	Garrysallagh	57.6%	=383	NHA, SPA
	648	Mulrick	57.6%	=383	NHA
	660	Cullies	57.6%	=383	NUA
Clare	1500	Dromore Nature Reserve	84.8%	=16	NHA, SAC, SNR
	1515	Garrannon Woods	81.8%	=28	NHA
	1552	Cahermurphy	81.8%	=28	NHA, SNR
	1555	Glenomra Wood	81.8%	=28	NHA, SAC
	1564	Cappaghbaun Park	81.8%	=28	
	1508	Cloggagh Wood	75.8%	=62	
	1554	Knocknageeha	75.8%	=62	
	1567	Maryfort	75.8%	=62	
	1507	Bealnalicka	72.7%	=90	
	1509	Ardcarney	72.7%	=90	NHA, SAC
	1510	Ross	72.7%	=90	NHA, SAC
	1574	Ballygarreen	72.7%	=90	
Cork	1316	Glengarriff	87.9%	=5	NHA, SAC, SNR
	1317	The Gearagh	84.8%	=16	NHA, SAC, SPA, SNF
	1491	French Wood	84.8%	=16	NHA
	1314	Toon Valley	81.8%	=28	
	1329	Barrees	78.8%	=50	
	1459	Aghaneenagh	78.8%	=50	SAC
	1315	Coolyduff	75.8%	=62	NHA
	1356	Knockardsharriv	75.8%	=62	141 // 1
	1361	Cloheena Wood	75.8%	=62	
	1323	Cleanderry Wood	73.8%	=02 =90	NHA, SAC
	1323	Killaneer	72.7%		NHA, SAC NHA
	1347	Farnanes Wood	72.7%	=90 =90	INПA
	1473	Templemichael	72.7%	=90 =90	
	-	•		-	
	1427	Ardnamona Wood	90.9%	=3	NHA, SAC, SNR
Donegal		Ards Forest Park	90.9%	=3	NHA, SAC
Donegal	1439	/ildo i bicot i all			
Donegal	1439 1422	Ballyarr Wood	87.9%	=5	NHA, SAC, SNR
Donegal			87.9% 84.8%	=5 =16	NHA, SAC, SNR NHA, SAC
Donegal	1422	Ballyarr Wood			
Donegal	1422 1428	Ballyarr Wood Lougheask Demesne	84.8%	=16	NHA, SAC
Donegal	1422 1428 1429	Ballyarr Wood Lougheask Demesne Cottian Wood Salt Pans	84.8% 84.8%	=16 =16	NHA, SAC NHA
Donegal	1422 1428 1429 1430 1436	Ballyarr Wood Lougheask Demesne Cottian Wood Salt Pans Keeloges	84.8% 84.8% 84.8% 84.8%	=16 =16 =16 =16	NHA, SAC NHA NHA, SAC NHA, SAC
Donegal	1422 1428 1429 1430	Ballyarr Wood Lougheask Demesne Cottian Wood Salt Pans	84.8% 84.8% 84.8%	=16 =16 =16	NHA, SAC NHA NHA, SAC

County	Site	Woodland Name	%score	Overall ranking	Designation
Dublin	884	Glenasmole Valley	81.8%	=28	SAC
	1237	St. Catherine's Wood	66.7%	=172	NHA
	865	Lutrellstown	63.6%	=236	SAC
	918	Loughlinstown Wood	54.5%	=461	NHA
	919	Fitzsimons Wood	48.5%	=686	NHA
	430	Lugmore Glen	45.5%	=805	NHA
	1152	Abbotstown	45.5%	=805	
	337	Massy's Wood	42.4%	=916	
	916	Newbridge Demesne	42.4%	=916	
	925	Crooksling Glen	42.4%	=916	NHA
Galway	1594	Garryland Wood	93.9%	=1	NHA, SAC, SPA, SNR
,	1597	Gortacarnaun	87.9%	=5	SAC
	1600	Shannawoneen wood	87.9%	=5	NHA. SAC
	1601	Derryclare	87.9%	=5	NHA, SAC, SNR
	1498	Drummin Wood	81.8%	=28	SAC
	1610	Pollnaknockaun Wood	81.8%	=28	NHA, SAC, SNR
	1624	Annaghwood	81.8%	=28	NHA, SAC, SPA
	1630	Kilbeg lower	78.8%	=50	NHA, SAC, SPA
	1616	Garryduff	75.8%	=62	NHA, SPA
	1629	Clydagh	75.8%	=62	NHA, SAC, SPA
	1636	Garbally Demesne	75.8%	=62	NHA
	1665	Clooncah	75.8%	=62	
	1674	Ardbear	75.8%	=62	
Kerry	1275	Kilgarvan Wood	87.9%	=5	NHA
,	1711	Ballyseedy Wood	84.8%	=16	NHA, SAC
	1273	Uragh Wood	81.8%	=28	NHA, SAC, SNR
	1277	Lyranes Lower Wood	81.8%	=28	NHA, SAC
	1715	Drombane	81.8%	=28	NHA, SAC
	1735	Carrig East	81.8%	=28	,
	1291	Reenadinna Wood	78.8%	=50	NHA, SAC, NP
	1279	Dromore Old	75.8%	=62	SAC
	1290	Derrycunihy Wood	75.8%	=62	NHA, SAC, NP
	1748	Glanageenty	75.8%	=62	,,
	1759	Argadh Wood	75.8%	=62	
	1916	Maulcallee	75.8%	=62	SAC
Kildare	948	Rahin Wood (Kildare)	69.7%	=125	
	927	Donadea Forest Park	63.6%	=236	SAC
	938	Carton Demense	63.6%	=236	SAC
	1007	Mitchels Wood	63.6%	=236	0/10
	1007	Martinstown	60.6%	=312	
	1196	Loughnacush	54.5%	=461	
	968	Drehid Wood	51.5%	=401 =563	
	900	Greatconnell	51.5%	=563 =563	
	1003	Castletown	51.5%	=563 =563	
	1003	Derrylea Large	51.5%	=563 =563	
	1010	Moone Woodlands		=563 =563	
			51.5%		640
	1217	Knockcor Wood	51.5%	=563	SAC

County	Site	Woodland Name	%score	Overall ranking	Designation
Kilkenny	515	Kylecorragh	66.7%	=172	SAC
	49	Grenan Wood	63.6%	=236	SAC
	137	Knockadrina	63.6%	=236	
	156	Garryricken North	63.6%	=236	NHA, SNR
	200	Ballytobin/Ballaghtobin	63.6%	=236	
	20	Brownstown Wood	60.6%	=312	NHA, SAC
	96	Kyleadohir Wood	60.6%	=312	NHA, SNR
	128	Brown's Wood	60.6%	=312	
	17	Thomastown	57.6%	=383	NHA
	18	Ballykeefe Wood	57.6%	=383	NHA, SNR
	58	Cullentragh	57.6%	=383	
	136	Rossenarra	57.6%	=383	
	225	Newrath	57.6%	=383	
	302	Garryricken South	57.6%	=383	NHA
		•			
Laois	260	Ballyfin Demesne	69.7%	=125	
	254	Knockbawn	66.7%	=172	
	255	Morton's Grove	66.7%	=172	
	256	Coolnamony	66.7%	=172	
	265	Ballhuppahane	63.6%	=236	
	242	Grantstown Wood	60.6%	=312	NHA, SNR
	250	Clopook Valley	57.6%	=383	
	263	Vicarstown	54.5%	=461	
	280	Kilcruise	54.5%	=461	
	251	Timahoe Eskers	51.5%	=563	NHA, SNR
	257	Capard	51.5%	=563	
	262	Rathcoffey	51.5%	=563	
	269	Glenmalyre Demesne	51.5%	=563	
	276	Maidenhead	51.5%	=563	
	283	Dunmore Demesne	51.5%	=563	SAC
	296	Corbally	51.5%	=563	
			75.00/		
Leitrim	388	Derrycarne Demesne South	75.8%	=62	SAC
	334	Garadice Lough Peninsula	66.7%	=172	
	427	Carrickarinn	66.7%	=172	
	333	Stonepark	63.6%	=236	
	468	Black Island Wood	63.6%	=236	
	469	Meenagh Wood	63.6%	=236	
	335	Faslowart	60.6%	=312	SAC
	367	Keelrin East	60.6%	=312	
	426	Derrycarne Shoreline	60.6%	=312	
	331	Ardagh	57.6%	=383	
	353	Greenaun North	57.6%	=383	SAC
Limerick	1986	Curraghchase Forest Park	93.9%	=1	NHA, SAC
LINCIUN		Clare Glen			NHA, SAC
	1286 1284		81.8% 69.7%	=28 -125	
		Gortnageragh River Valley		=125	NHA, SAC
	1297	Mountrussell Wood	69.7%	=125	NHA
	1857	Newgarden North	69.7%	=125	SAC
	1281	Glenstal Wood	66.7%	=172	NHA, SAC
	1295	Glencurrane	66.7%	=172	NHA
	1296	Graigue Wood	66.7%	=172	NHA
	1995	Gortnaskehy	66.7%	=172	SAC
	1856	Cappanahanaagh	63.6%	=236	
	1996	Craggs	63.6%	=236	
	2001	Templeglentan West	63.6%	=236	SAC

County	Site	Woodland Name	%score	Overall ranking	Designation
Longford	544	Gubroe (Castle Forbes)	75.0%	=88	SAC, SPA
	727	Culnagore Wood	69.7%	=125	NHA, SAC
	542	Annagh (Castle Forbes)	66.7%	=172	SAC, SPA
	418	Carrickglass Demense Woods	66.7%	=172	NHA, SAC
	419	Carrickglass Demense Woods West	66.7%	=172	NHA, SAC
	771	Golaroe	66.7%	=172	NHA
	540	Clonguish (Castle Forbes)	62.5%	=310	SAC, SPA
	618	Enaghan	60.6%	=312	
	729	White Sand Wood	60.6%	=312	NHA, SAC
	808	Grillagh	60.6%	=312	
Louth	1150	Collon North	63.6%	=236	NHA
	610	Tipping Hill	60.6%	=312	NHA
	612	Rathscar Lake	57.6%	=383	
	631	King William's Glen	57.6%	=383	NHA, SAC
	679	Collon	57.6%	=383	NHA
	640	Red Bog	54.5%	=461	
	632	Beaulieu	51.5%	=563	SPA
	1260	Collon Northwest	48.5%	=686	SAC
	629	Puckstown	45.5%	=805	-
	680	Toomes	45.5%	=805	
	1222	Lannat	45.5%	=805	
Мауо	1777	Brackloon Woods	84.8%	=16	NHA, SAC
Mayo	1763	Pontoon Woods	81.8%	=28	NHA, SAC
	1800	Prospect	81.8%	=28	NHA, SAC
	1769	Raheens	75.8%	=20	NIA, SAC
	1778	Oldhead Wood	75.8%		NHA, SAC, SNR
		Knockbaun	75.8%	=62	INNA, SAC, SINN
	1808			=62	
	1770	Kilbride	75.0%	=88	NHA, SAC, SPA
	1796	Derrymore Barnarinia	72.7%	=90	NHA, SAC
	1768 1798	Lankill	71.9% 69.7%	123	NHA, SAC
	1807	Coolaght	69.7%	=125 =125	
	1007	Cooldgin	00.770	-125	
Meath	699	Flemingstown East	72.7%	=90	NHA
	670	Clondalee More	66.7%	=172	
	726	Knightstown	63.6%	=236	
	687	Thomastown Bog	60.6%	=312	NHA
	763	Milltown Glen	60.6%	=312	
	688	Grove Island	57.6%	=383	NHA, SAC
	701	Greenan North	57.6%	=383	
	703	Glenmore Fox Covert	57.6%	=383	SAC
	715	Balrath	57.6%	=383	NHA
	724	Brittas (Meath)	57.6%	=383	
	748	Molerick	57.6%	=383	NHA
Monaghan	403	Fairfield Demense	69.7%	=125	NHA
0	1177	Lough Fea Lake	69.7%	=125	
	858	Graffagh	63.6%	=236	
	411	Dromore West	60.6%	=312	NHA
	860	Reduff	60.6%	=312	
	407	Derryveen Wood	57.6%	=383	
	412	Hollywood Lake Wood	57.6%	=383	
	401	Lough Fea Demense	54.5%	=461	NHA
	401	Nut Wood	54.5% 54.5%		INT <i>IA</i>
				=461 -461	
	410	Derrynashallog	54.5%	=461	
	840	Hazel Wood	54.5%	=461	
	853	Annamarron	54.5%	=461	
	856	Clohoge	54.5%	=461	
	1063	The Glen	54.5%	=461	
	1176	The Downs Wood	54.5%	=461	
				=461	

County	Site	Woodland Name	%score	Overall ranking	Designation
Offaly	574	Charleville South	87.5%	15	NHA, SAC
	575	Charleville North	70.8%	124	NHA, SAC
	577	Charleville Killeska	66.7%	=172	SAC
	578	Hand's Wood	66.7%	=172	SAC
	31	Cloghan Demesne Bog and Wood	63.6%	=26	NHA, SPA
	86	Clooneen (Offaly)	63.6%	=236	NHA
	176	Cushcallow	63.6%	=236	SAC, SPA
	321	Brownstown	63.6%	=236	, -
	33	Camcor Wood/Glinsk	60.6%	=312	NHA
	556	Balleek Beg	58.3%	=376	
	576	Charleville Brookfield	58.3%	=376	SAC
	582	Hara's Hill	58.3%	=376	0,10
	591	Pallas Lough	58.3%	=376	NHA
	592	Killeigh Townland	58.3%	=376	NHA
	592	Graigue North	58.3%	=376	NHA
	000		50.070	-070	
Roscommon	467	St John's Wood	87.9%	=5	SAC, SPA
	1042	Barrymore North	72.7%	=90	NHA, SAC, SPA
	1043	Barry More Shore	69.7%	=125	NHA, SAC, SPA
	472	Hughestown Wood	63.6%	=236	NHA
	1050	Willsgrove	63.6%	=236	
	1059	Mount Talbot South	63.6%	=236	NHA, SPA
	1061	Cornaseer	63.6%	=236	NHA, SAC, SPA
	475	Drumcormick Wood	60.6%	=312	
	484	Derrymacstur	60.6%	=312	NHA
	476	Drummans Island	57.6%	=383	
	482	Kilcloghan	57.6%	=383	
	1233	Drumalagagh	57.6%	=383	
	.200	Bramadyagn	011070		
Sligo	1400	Cullentra Wood	78.8%	=50	NHA, SAC
	1409	Hazelwood Demesne	78.8%	=50	NHA, SAC
	1405	Kilbrattan Wood	72.7%	=90	NHA, SAC
	1412	Clogh Wood	72.7%	=90	NHA, SAC
	1403	Mountain Wood	69.7%	=125	NHA, SAC
	1404	Clogher (Sligo)	69.7%	=125	NHA, SAC, SPA
	525	Markree Castle (Markree)	66.7%	=172	SAC
	1408	Cleaveragh Demesne	66.7%	=172	NHA, SAC
	1410	Tanrego	63.6%	=236	NHA, SAC, SPA
	1496	Poulaphuca Wood	63.6%	=236	NHA, SAC
Tipperary	1858	Aughnaglanny Valley	84.8%	=16	NHA
	1861	Knockanavar Wood	81.8%	=28	NHA, SAC
	1953	Castlelough	78.8%	=50	NHA
	1876	Moyaliff	72.7%	=90	
	1924	Patrickswell	66.7%	=172	NHA
	1926	Ballyphilip	66.7%	=172	SNR
	1932	Marl Bog	66.7%	=172	NHA
	1968	Shanacloon (Fox Covert)	66.7%	=172	
	1859	Grove Wood	63.6%	=236	NHA
	1891	Turaheen	63.6%	=236	1 11 17 1
	1893	Kilduff	63.6%	=236	NHA, SAC
	1897		63.6%	=236	NHA, SAC, SPA
	1954	Garrynatineel	63.6%	=236	SAC
	1963	Cornalack	63.6%	=236	NHA, SAC, SPA

County	Site	Woodland Name	%score	Overall ranking	Designation
Waterford	1626	Lismore Woods	87.9%	=5	NHA, SAC
	1670	Stradbally Woods	78.8%	=50	NHA
	1816	Ballyhamlet	78.8%	=50	
	1543	Glenmore Wood	75.8%	=62	NHA, SAC
	1819	The Grove	72.7%	=90	NHA, SAC, SPA
	1842	Cladagh	72.7%	=90	SAC
	1846	Ballynatray Demesne West	72.7%	=90	NHA, SAC
	1673	Glenribbeen Wood	69.7%	=125	
	1818	White Well Wood	69.7%	=125	NHA, SAC
	1827	Bohadoon South	66.7%	=172	
	1844	Rincrew Wood	66.7%	=172	NHA, SAC
	1853	Hazel Wood, Waterford	66.7%	=172	
Westmeath	1111	Lough Slevin's Wood	75.8%	=62	SAC
	1088	Whinning Wood	72.7%	=90	SAC, SPA
	1098	Gartlandstown Wood	72.7%	=90	NHA, SPA
	1106	Bracklin Wood	72.7%	=90	, •
	1110	Cavestown	72.7%	=90	
	1155	Aghyrassy	72.7%	=90	SAC
	1086	Meehan Wood	69.7%	=125	SAC, SPA
	1125	Barbavilla Demense	69.7%	=125	0/10, 0/ //
	1166	Newtownlow Esker Woodland	69.7%	=125	SAC
	1234	Coosan Point Hazel Wood	69.7%	=125	SPA
			70.00/	50	
Wexford	4	Killoughrum Forest	78.8%	=50	NHA
	154	Ballyboggan Lower	75.8%	=62	
	151	Bricketstown House	72.7%	=90	
	3	Courtown Dunes/Glen	69.7%	=125	NHA
	211	Newtown Lower	66.7%	=172	SAC
	1	Ballynabarny Wood	63.6%	=236	NHA
	5	Oaklands	57.6%	=383	NHA
	180	Glandoran Upper/Carthy's Wood	57.6%	=383	
	7	Camolin	54.5%	=461	
	102	Ballycrystal	54.5%	=461	
	145	Ballybrennan House	54.5%	=461	
	148	Ballyfad	54.5%	=461	
Wicklow	777	Glen of the Downs	87.9%	=5	NHA, SAC, SNR
	789	Knocksink	87.9%	=5	SAC, SNR
	746	Baltynanima	84.8%	=16	NHA, SAC
	781	The Devil's Glen	81.8%	=28	NHA
	783	Deputy's Pass	81.8%	=28	SAC, SNR
	776	Castlehoward	75.8%	=62	*
	786	The Giants Cut & Lugduff	75.8%	=62	SAC, SPA, SNR, NP
	951	Kilcarra West	72.7%	=90	NHA
	338	Vale of Clara	72.7%	=90	SAC, SNR
	793	Altidore Demesne	72.7%	=90	

Appendix 6 shows the threat scores for the 1,217 sites surveyed during the native woodland survey. The 103 additional sites incorporated from previous surveys were not assessed but are included for completeness with a score of 'N/A'. Only two of the 1,217 sites surveyed in the main survey had items of data missing from this table; these are marked by an 'x' and the maximum number of available points was adjusted to compensate for the missing data. Note that sites are not numbered consecutively.

	species
ive	spe ing
111/85	Grazing

										.9					
					ad trees										
				11 ¹⁰ e ^{segeneration} 11 ¹⁰											
				Grating		e reget	9 activities	nopy	deadlor		Values ,Threat Sec	e valion			
			BEINE	Grating	ninati	magir	in otic d	anding	s' de	sing	Threat	Consei			
		Max. score	1112	Gru 3	40. 2	0 ²¹	670 1	S ^{to}	9 ⁰⁰ 12	MIS	₀∖∘ 100.0	₀∖∘ 100.0			
Site No.	Woodland Name	County													
1	Ballynabarny Wood	Wexford	0	0	0	0	0	0	0	0	0.0	63.6			
2 3	Clone Fox Covert Courtown Dunes/Glen	Wexford Wexford	0 2	1 0	0 0	0 1	0 1	0 0	1 4	0 0	8.3 33.3	45.5 69.7			
4	Killoughrum Forest	Wexford	0	0	0	1	0	0	1	0	8.3	78.8			
5	Oaklands	Wexford	2	0	0	0	1	0	3	0	25.0	57.6			
7 3	Camolin Baggot's Wood	Wexford Carlow	1 0	0 2	1 0	1 1	0 0	0 0	3 3	0 0	25.0 25.0	54.5 45.5			
,)	Bahana	Carlow	0	1	0	0	0	0	1	0	8.3	45.5			
0	Clogheristick Wood	Carlow	2	0	1	0	0	0	3	0	25.0	54.5			
2	Oakpark	Carlow	1	0	0	0	0	0	1	0	8.3	51.5			
4	Drummond Wood	Carlow	1	1	1	0 3	1	0	4	0	33.3	51.5			
5 7	Borris Thomastown	Carlow Kilkenny	2 0	0 0	1 2	3	1	0 0	7 3	0 0	58.3 25.0	78.8 57.6			
8	Ballykeefe Wood	Kilkenny	1	0	1	1	0	0	3	0	25.0	57.6			
9	Ballyhighland	Wexford	0	1	1	1	1	0	4	0	33.3	36.4			
20	Brownstown Wood	Kilkenny	0	0	0	0	0	0	0	0	0.0	60.6			
2	Fiddown	Kilkenny	1	1	0 0	0 0	0	0 0	2 4	0 0	16.7	42.4			
26 27	Carrickduff Wood Dovegrove Callows	Carlow Offaly	2 1	2	0	0	1 0	1	4	0	33.3 33.3	54.5 54.5			
28	Clonfinlough Esker	Offaly	0	0	0	1	0	0	1	0	8.3	42.4			
80	Woodville	Offaly	1	2	0	3	0	0	6	0	50.0	48.5			
31	Cloghan Demesne Bog and Wood	Offaly	0	0	2	2	0	0	4	0	33.3	63.6			
13 14	Camcor Wood/Glinsk Quakerstown	Offaly	0 2	0 0	0 1	0 0	0 0	0 0	0 3	0 0	0.0 25.0	60.6 48.5			
14 15	Clorhane Wood	Offaly Offaly	0	0	0	0	0	0	0	0	25.0	48.5 54.5			
6	Lough Coura	Offaly	0	0	0	0	0	0	0	0	0.0	48.5			
7	Curraduff	Wexford	0	1	0	0	0	0	1	0	8.3	42.4			
8	Graiguebeg	Wexford	0	3	0	0	0	0	3	0	25.0	39.4			
-8 -9	Jerpoint Abbey Grenan Wood	Kilkenny Kilkenny	0 0	1 1	0 2	1 0	0 0	0 0	2 3	0 0	16.7 25.0	42.4 63.6			
5 1	Kilfane House	Kilkenny	2	0	0	0	0	0	2	0	16.7	42.4			
53	Kilcullen	Kilkenny	0	1	0	1	0	0	2	0	16.7	42.4			
8	Cullentragh	Kilkenny	1	2	0	0	0	0	3	0	25.0	57.6			
51	Cullaun	Kilkenny	1	0	0	0	1	0	2	0	16.7	48.5			
65 69	Bohermore Toberbride	Carlow Carlow	0 0	1 0	0 1	0 0	0 1	0 0	1 2	0 0	8.3 16.7	36.4 51.5			
73	Tinnahinch	Carlow	0	1	2	0	1	0	4	0	33.3	33.3			
74	Knockeen	Carlow	0	1	0	0	0	0	1	0	8.3	39.4			
'5	Knockduff	Carlow	0	1	0	0	0	0	1	0	8.3	39.4			
'6 '8	Ballybeg Big	Carlow	0 2	2 0	0 0	0 0	0	0	2 3	0 0	16.7	33.3			
8 '9	Ballintemple Doon Demesne East	Carlow Offaly	2	0	0	1	1 0	0 0	3	0	25.0 25.0	18.2 30.3			
0	Doon Demesne West	Offaly	2	0	0	0	0	0	2	0	16.7	51.5			
1	Clonascra	Offaly	0	0	0	1	0	0	1	0	8.3	36.4			
32	Clongawny More	Offaly	0	0	0	0	0	0	0	0	0.0	45.5			
33 34	Taylors Cross Boolinarig	Offaly Offaly	0 1	3 0	0 0	1 0	0 0	0 0	4 1	0 0	33.3 8.3	39.4 45.5			
4 5	Ballyhealy (Offaly)	Offaly	0	0	0	1	0	0	1	0	8.3	45.5 45.5			
6	Clooneen (Offaly)	Offaly	2	0	1	0	0	0	3	0	25.0	63.6			
9	Ballincor Demesne Bogwood	Offaly	0	1	2	0	0	0	3	0	25.0	54.5			
1	Big Wood (West Offaly)	Offaly	0	0	x	0	0	0	0	1	0.0	46.2			
15 16	Drummin (Red Bog) Kyleadohir Wood	Carlow Kilkenny	1	1 0	0 0	0 0	0 0	0 0	2 1	0 0	16.7 8.3	33.3 60.6			
00	Tomnafunshogue	Wexford	0	3	0	1	0	0	4	0	33.3	48.5			
02	Ballycrystal	Wexford	2	0	1	0	0	0	3	0	25.0	54.5			
03	Bolamore	Wexford	1	1	0	0	0	0	2	0	16.7	36.4			
06	Tombrick Lower	Wexford	0	1	0	0 0	0	0	1	0	8.3	42.4			
08 09	Troyswood Jenkinstown Park	Kilkenny Kilkenny	0 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0.0 0.0	51.5 45.5			
10	Ballyrafton	Kilkenny	1	0	1	1	0	0	3	0	25.0	45.5			
12	Maddockstown/Nore Cottage	Kilkenny	1	2	0	1	1	0	5	0	41.7	54.5			
13	High Rath	Kilkenny	2	0	0	0	0	0	2	0	16.7	39.4			
14	Gowran	Kilkenny	1	0	0	0	0	0	1	0	8.3	54.5			
16 17	Fanningstown Wood Mountain Grove	Kilkenny Kilkenny	0 1	1 0	0 1	0 0	0 1	0 0	1 3	0 0	8.3 25.0	48.5 39.4			
122	Creakan Lower	Wexford	0	1	0	0	0	0	1	0	8.3	39.4 39.4			
123	Stokestown Bridge (Dunganstown)	Wexford	0	0	0	0	0	0	0	0	0.0	42.4			
				2		0	0		2						

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25 Ballynacooli 226 Curraun 227 Warrington 228 Brown's Wo 300 Monarche C 311 Greatwood 325 Coill na Fha 336 Rossenarra 337 Knockadrina 338 Castlemorris 339 Twenty Acre 41 Johnstown C 425 Ballyfad 531 Bricketstown 54 Ballyfad 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywillum 62 Guernal 63 Tombrick W 64 Wilton Nortf 65 Ballinvally W 66 Wilton Nortf 67 Colopuck W 72 Ballingary W 73 Golden Gro 74 Drumakeem 75 Townparks									.6					
25 Ballynacooli 226 Curraun 227 Warrington 228 Brown's Wo 300 Monarche C 311 Greatwood 325 Coill na Fha 336 Rossenarra 337 Knockadrina 338 Castlemorris 339 Twenty Acre 41 Johnstown C 425 Ballyfad 531 Bricketstown 54 Ballyfad 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywillum 62 Guernal 63 Tombrick W 64 Wilton Nortf 65 Ballinvally W 66 Wilton Nortf 67 Colopuck W 72 Ballingary W 73 Golden Gro 74 Drumakeem 75 Townparks		Max. score 2 3 2 3 1 1 12 100.									,			
25 Ballynacooli 226 Curraun 227 Warrington 228 Brown's Wo 300 Monarche C 311 Greatwood 325 Coill na Fha 336 Rossenarra 337 Knockadrina 338 Castlemorris 339 Twenty Acre 41 Johnstown C 425 Ballyfad 531 Bricketstown 54 Ballyfad 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywillum 62 Guernal 63 Tombrick W 64 Wilton Nortf 65 Ballinvally W 66 Wilton Nortf 67 Colopuck W 72 Ballingary W 73 Golden Gro 74 Drumakeem 75 Townparks				.e ⁵		Danagir	atic wither	э.	a dan	1391	6	⁶ 0,000 000,00		
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25 Ballynacooli 226 Curraun 227 Warrington 228 Brown's Wo 300 Monarche C 311 Greatwood 325 Coill na Fha 336 Rossenarra 337 Knockadrina 338 Castlemorris 339 Twenty Acre 41 Johnstown C 425 Ballyfad 531 Bricketstown 54 Ballyfad 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywillum 62 Guernal 63 Tombrick W 64 Wilton Nortf 65 Ballinvally W 66 Wilton Nortf 67 Colopuck W 72 Ballingary W 73 Golden Gro 74 Drumakeem 75 Townparks			Invasiv	Grating	Non-ne	Damay	EXOTIC	Standli	5core	Missin	o/oThree	°/° Cour		
25 Ballynacooli 26 Curraun 27 Warrington 28 Brown's Wo 30 Monarche C 31 Greatwood 35 Coill na Fha 36 Rossenarra 37 Knockadrina 38 Castlemorris 39 Twenty Acre 41 Johnstown C 42 Ballytad 51 Bricketstown 53 Ballydad 54 Ballyboggur 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywilliam 62 Guernal 63 Tombrick W 64 Wilton Nortf 67 Wilton Soutl 68 Ballinvally W 69 Coonogue W 70 Coolpuck W 71 Corclogh 72 Ballingary W 73 Golden Gro 74 Drumakeen <tr< td=""><td>oodland Name</td><td>Max. score County</td><td>2</td><td>3</td><td>2</td><td>3</td><td>1</td><td>1</td><td>12</td><td></td><td>100.0</td><td>100.0</td></tr<>	oodland Name	Max. score County	2	3	2	3	1	1	12		100.0	100.0		
27Warrington28Brown's Wo20Monarche C31Greatwood35Coill na Fha36Rossenarra37Knockadrina38Castlemorria39Twenty Acre41Johnstown G45Ballybrenna47Ballycross48Ballylydagur54Ballyvalogur55Soldier's HG56Garryricken57Ballyvalogur55Soldier's HG66Wilton North67Wilton Souti68Ballinvally W69Coonogue W70Colopuck W73Golden Gro74Drumakeen75Townparks76Cushcallow77Corclogh78Orchard79Clonogan W80Glandoran B81Coslpuck W80Glandoran B81Orchard79Kilmacow80Wells West91Island Hous92Litterbeg97Milltown98Castletown99Kilmacow800Balliynahiller801Foulkscourt803Coolroebeg804Shankill805Raheendon806Crane Bridg807Mallinnush808Crane Bridg809Wells Stant800Balliynahiller801 <td< td=""><td>allynacoolagh</td><td>Wexford</td><td>0</td><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>2</td><td>0</td><td>16.7</td><td>45.5</td></td<>	allynacoolagh	Wexford	0	1	1	0	0	0	2	0	16.7	45.5		
28 Brown's Wo 30 Monarche C 31 Greatwood 35 Coill na Fha 36 Rossenarra 37 Knockadrina 38 Castlemorris 39 Twenty Acre 41 Johnstown G 45 Ballybrenna 47 Ballycross 48 Ballydalogur 54 Ballydalogur 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Gr 60 Ballinvally W 61 Wilton North 62 Guernal 63 Tombrick W 64 Wilton North 67 Wilton North 67 Wilton North 68 Ballinyally W 69 Coongue W 70 Coolpuck W 71 Golden Grov 72 Ballinyally M 73 Golden Grov <t< td=""><td>urraun</td><td>Wexford</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>8.3</td><td>42.4</td></t<>	urraun	Wexford	0	1	0	0	0	0	1	0	8.3	42.4		
30 Monarche C 31 Greatwood 35 Coill na Fha 36 Rossenarra 37 Knockadrina 38 Castlemorrina 39 Twenty Acre 41 Johnstown (45 Ballybrana 47 Ballybrana 48 Ballybrague 54 Ballybrague 55 Soldier's Ho 56 Garryricken 57 Ballyvalogue 58 Altamont Ga 60 Ballyvalogue 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballynoe 56 Garryricken 67 Wilton Nortf 68 Ballinyally V 70 Coolpuck W 71 Corclogh <tr< td=""><td>•</td><td>Kilkenny</td><td>0</td><td>1</td><td>0</td><td>0</td><td>1</td><td>0</td><td>2</td><td>0</td><td>16.7</td><td>51.5</td></tr<>	•	Kilkenny	0	1	0	0	1	0	2	0	16.7	51.5		
31 Greatwood 35 Coill na Fha 36 Rossenarra 37 Knockadrina 38 Castlemorris 39 Twenty Acre 41 Johnstown (45 Ballybrenna 47 Ballycross 48 Ballydad 51 Bricketstown 52 Soldier's Ho 53 Ballynoe 54 Ballynoe 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballynoe 64 Wilton North 67 Wilton Sout 68 Ballynoal 70 Coolpuck W 71 Cologan W <		Kilkenny	0	0	1	0	0	0	1	0	8.3	60.6		
35 Coill na Fha 36 Rossenarra 37 Knockadrina 38 Castlemorris 39 Twenty Acre 41 Johnstown (45 Ballybrenna 47 Ballycad 51 Bricketstown 53 Ballyvalogue 54 Ballyvalogue 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywaligue 63 Tombrick W 66 Wilton North 67 Wilton North 68 Ballinvally W 69 Coonogue W 70 Coolpuck W 71 Colpuck W 72 Ballingarry W 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan W </td <td>onarche Commons 2</td> <td>Kilkenny Kilkenny</td> <td>2 2</td> <td>0 3</td> <td>1 0</td> <td>0 0</td> <td>0 1</td> <td>0 0</td> <td>3 6</td> <td>0 0</td> <td>25.0 50.0</td> <td>36.4 42.4</td>	onarche Commons 2	Kilkenny Kilkenny	2 2	0 3	1 0	0 0	0 1	0 0	3 6	0 0	25.0 50.0	36.4 42.4		
36 Rossenarra 37 Knockadrina 38 Castlemorris 39 Twenty Acre 41 Johnstown G 45 Ballybrenna 47 Ballycross 48 Ballylad 51 Bricketstown 53 Ballylogugar 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton South 68 Ballinvally W 69 Coonogue V 70 Coolpuck W 72 Ballingary M 73 Golden Gro 74 Drumakeem 75 Townparks 76 Cushcallow 78 Orchard 79 Clonoguan W 80 Glandoran U 83 Clogrenan V 84 Lisnevagh		Kilkenny	0	1	0	0	0	0	1	0	8.3	51.5		
37 Knockadrina 38 Castlemorria 39 Twenty Acre 41 Johnstown (45 Ballybrenna 47 Ballycross 48 Ballycross 48 Ballycalogue 51 Bricketstown 53 Ballyvalogue 54 Ballyvalogue 55 Soldier's Ho 56 Garryricken 57 Ballywallgue 58 Altamont Ga 60 Balliywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton Soutl 68 Ballinyally V 69 Coonogue W 70 Colpuck W 72 Ballingary W 73 Golden Grov 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 80 Orchard 79 Clonogan W 80 Glandoran L <	•	Kilkenny	0	1	1	0	0	Ő	2	õ	16.7	57.6		
39 Twenty Acre 41 Johnstown (Johnstown (Johnstet) Johnstown (Johnstet) Johnstown (Johnstown		Kilkenny	0	0	1	1	1	0	3	0	25.0	63.6		
41 Johnstown (J 45 Ballybrenna 47 Ballycross 48 Ballyfad 51 Bricketstown 53 Ballyvalogu 54 Ballyboggar 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballynwilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton South 68 Ballinvally W 69 Coonogue W 70 Coolpuck W 72 Ballingarry V 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymote D <tr< td=""><td>astlemorris Demesne</td><td>Kilkenny</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>8.3</td><td>42.4</td></tr<>	astlemorris Demesne	Kilkenny	0	1	0	0	0	0	1	0	8.3	42.4		
45 Ballybrenna 47 Ballycross 48 Ballytad 51 Bricketstown 53 Ballyvalogue 54 Ballyboggar 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballynoe 63 Tombrick W 66 Wilton Nortf 67 Wilton Soutf 68 Ballinvally W 69 Coonogue W 70 Coolpuck W 72 Ballingarry W 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan V 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Clandoran U 84 Lisnevagh 86 Drumgoole	venty Acres	Wexford	2	1	0	0	1	0	4	0	33.3	30.3		
47 Ballycross 48 Ballyfad 51 Bricketstown 53 Ballyvalogue 54 Ballyvalogue 55 Soldier's Ho 56 Garryricken 57 Ballywologue 58 Altamont Ga 60 Ballywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton South 68 Ballinvally W 69 Coonogue W 70 Colopuck W 73 Golden Grov 74 Drumakeen 75 Townparks 76 Cushcallow 77 Cologan W 80 Glandoran U 83 Cloorgan W 84 Lisnevagh 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Castletown 99 Wells East 90 Wells West 91 <island hous<="" td=""></island>	hnstown Castle	Wexford	1	1	0	0	0	0	2	0	16.7	42.4		
44 Ballyfad 51 Bricketstown 53 Ballyvalogur 54 Ballyvalogur 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton South 68 Ballinvally V 69 Coonogue W 70 Colpuck W 73 Golden Grov 74 Drumakeen 75 Townparks 76 Cuscallow 77 Colongan W 80 Glandoran L 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Castletown 99 Wells West 91 Island Hous 92 Litterbeg 93 Coolroebeg 94 Shankill 95 Raheendon 96 Shankill 97 Sallynahiller 98 Sallynahiller 99 Maltmacolivee <	allybrennan House	Wexford	1	1	1	0	0	0	3	0	25.0	54.5		
51 Bricketstown 53 Ballyvalogue 54 Ballyvalogue 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballynoe 58 Altamont Ga 60 Ballynoe 58 Altamont Ga 60 Ballynoe 63 Tombrick W 66 Wilton North 67 Wilton North 68 Ballinvally W 69 Coolpuck W 70 Coolpuck W 71 Golden Gro 72 Ballingarry L 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 77 Cologran W 80 Glandoran L 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Castletown 99 Kilmacow <tr< td=""><td>-</td><td>Wexford</td><td>1</td><td>1</td><td>0</td><td>0</td><td>1</td><td>0</td><td>3</td><td>0</td><td>25.0</td><td>39.4</td></tr<>	-	Wexford	1	1	0	0	1	0	3	0	25.0	39.4		
53 Ballyvalogue 54 Ballyboggar 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Ballinyally V 68 Ballinyally V 69 Coonogue V 70 Colpuck W 72 Ballingarry V 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corlogan W 80 Glandoran I 83 Clogrenan V 84 Lisnevagh 85 Ballymore D 86 Drumgoole 87 Ballytobin/B 98 Wells East 90 Wells West 91 Island Hous 92 Littlerbeg 93 Kilmacow 90 Ballytobin/B		Wexford	1	0	0	1	0	0	2	0	16.7	54.5		
54 Ballyboggar 55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton South 68 Ballinvally W 69 Coonogue W 70 Coolpuck W 72 Ballingarry W 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells East 90 Ballytobin/B 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 90 Ballytobin/B 91 Foulkscourt 92 Carane Bridg	icketstown House	Wexford	2	1	0	0	0	0	3	0	25.0	72.7		
55 Soldier's Ho 56 Garryricken 57 Ballynoe 58 Altamont Ga 60 Ballywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton South 68 Ballinvally W 69 Coonogue W 70 Coolpuck W 72 Ballingarry W 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonggan W 80 Glandoran U 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Calgrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Castletown 90 Wells West 91 Island Hous		Wexford Wexford	0 2	1	0 0	1 0	0 1	0 0	2 4	0 0	16.7 33.3	33.3 75.8		
56 Garryricken 57 Ballynoe 58 Altamont Ga 50 Ballywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton South 68 Ballinvally W 69 Coonogue W 70 Colpuck W 73 Golden Grov 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran L 83 Clogrenan V 84 Lisnevagh 85 Drumgoole 87 Ballymore D 88 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 93 Coolroebeg 94 Shankill 95 Raheendon 96 Ballinrush 97 Milltown 98 </td <td></td> <td>Wexford</td> <td>2</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>4</td> <td>0</td> <td>33.3 33.3</td> <td>75.8 39.4</td>		Wexford	2	1	0	1	0	0	4	0	33.3 33.3	75.8 39.4		
57 Ballynoe 58 Altamont Ga 58 Altamont Ga 60 Ballywilliam 62 Guernal 63 Tombrick W 64 Wilton North 67 Wilton South 68 Ballinvally W 69 Coolpuck W 70 Coolpuck W 71 Golden Grov 72 Ballingarry W 73 Golden Grov 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran L 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Wells East 90 Wells East 91 Island Hous 92 Litterbeg 93 Kilmacow 90 Ballytobin/B 91 Saland Hous		Kilkenny	1	0	0	0	0	0	1	0	8.3	63.6		
58 Altamont Ga 60 Ballywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton North 68 Ballinvally W 69 Coonogue W 70 Coolpuck W 72 Ballingarry W 73 Golden Grov 74 Drumakeen. 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan V 84 Lisnevagh 85 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 93 Kilmacow 94 Shankill 95 Raheendon 96 Crane Bridg 97 Ballynahiller 10 Ballynahiller 11 Newtown Lc	•	Carlow	0	0	x	Ő	0	0	0	1	0.0	34.6		
60 Ballywilliam 62 Guernal 63 Tombrick W 66 Wilton North 67 Wilton South 68 Ballinvally W 69 Coonogue W 70 Coolpuck W 71 Golden Gro 72 Ballingarry W 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran L 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 90 Ballytobin/B 91	amont Gardens	Carlow	1	0	0	0	0	0	1	0	8.3	54.5		
63 Tombrick W 66 Wilton North 67 Wilton South 68 Ballinvally W 69 Coonogue W 70 Colpuck W 73 Golden Grov 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran L 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 90 Ballytobin/B 91 Foulkscourt 92 Crane Bridg 93 Crane Bridg 94 Shankill 95 Raheendon 96 Ballynahiller <		Offaly	0	0	0	0	0	0	0	0	0.0	45.5		
66 Wilton North 67 Wilton South 68 Ballinvally V 69 Coonogue V 69 Coolpuck W 70 Coolpuck W 72 Ballingarry V 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran L 83 Clogrenan V 84 Lisnevagh 85 Drumgoole 86 Drumgoole 87 Ballymore D 88 Castletown 99 Wells West 91 Island Hous 92 Litterbeg 93 Kilmacow 90 Ballytobin/B 91 Seakinnama 92 Shankill 93 Coolroebeg 94 Shalpynahiller 95	uernal	Offaly	0	1	0	1	0	0	2	0	16.7	39.4		
67 Wilton Soutt 68 Ballinvally W 69 Coonogue W 70 Coolpuck W 72 Ballingarry W 73 Golden Gro 74 Drumakeen: 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran L 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 90 Ballytobin/B 101 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballynahiller 11 Newtown Lc 12 Seskinnama	mbrick Wood	Wexford	0	1	0	1	0	0	2	0	16.7	36.4		
68 Ballinvally W 69 Coonogue W 70 Coolpuck W 71 Golden Gro 72 Ballingarry W 73 Golden Gro 74 Drumakeen. 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan V 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 90 Ballytobin/B 91 Foulkscourt 92 Cosloroebeg 93 Mackmine V 94 Seskinnama 95 Ballypahiller 96	ilton North	Wexford	1	1	0	0	0	0	2	0	16.7	51.5		
669 Coonogue W 70 Coolpuck W 71 Golden Gro 72 Ballingarry V 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Wells East 90 Wells East 90 Ballytobin/B 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 90 Ballytobin/B 91 Foulkscourth 92 Coolroebeg 93 Goloroebeg 94 Shankill 95 Raheendon 96 Mackmine V 97 <		Wexford	0	1	0	2	0	0	3	0	25.0	45.5		
70 Coolpuck W 72 Ballingarry W 73 Golden Gro 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonggan W 80 Glandoran U 83 Clogrenan W 84 Lisnevagh 85 Drumgoole 87 Ballymore D 88 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 90 Ballytobin/B 91 Foulkscouth 92 Coolroebeg 93 Coolroebeg 94 Shankill 95 Raheendon 96 Karmana 97 Mallynahiller 11 Newtown Lo 13	allinvally Wood	Carlow	0	0	0	0	0	0	0	0	0.0	39.4		
72 Ballingarry V 73 Golden Grov 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran L 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 90 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 07 Rakinamata 10 Ballynahiller 11 Newtown Lc 13 Seskinnamata 19 Ballypierce 21 Johnswell	bonogue Wood	Carlow	0	2	0	0	0	0	2	0	16.7	36.4		
73 Golden Grov 74 Drumakeen 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells East 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 90 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballypainiller 11 Newtown Lot 12 Seskinnama 19 Ballypierce 21 Kilmacolivee <td>•</td> <td>Wexford</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>2</td> <td>0</td> <td>16.7</td> <td>42.4</td>	•	Wexford	0	1	0	0	1	0	2	0	16.7	42.4		
74 Drumakeem 75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran L 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballypahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Kilmacolivee		Wexford	2	1	1	1 0	0 1	0 0	5 2	0	41.7	42.4		
75 Townparks 76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan W 84 Lisnevagh 85 Drumgoole 87 Ballymore D 88 Wells East 90 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 12 Seskinnamara 19 Ballypierce 21 Kilmacoliveel <td></td> <td>Offaly Offaly</td> <td>0 2</td> <td>1</td> <td>0 1</td> <td>0</td> <td>1</td> <td>0</td> <td>2 5</td> <td>0 0</td> <td>16.7 41.7</td> <td>33.3 42.4</td>		Offaly Offaly	0 2	1	0 1	0	1	0	2 5	0 0	16.7 41.7	33.3 42.4		
76 Cushcallow 77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran U 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 88 Wells East 90 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 90 Ballytobin/B 01 Foulkscout 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 12 Seskinnamara 19 Ballypierce 21 Johnswell		Offaly	1	1	0	0	0	0	2	0	16.7	51.5		
77 Corclogh 78 Orchard 79 Clonogan W 80 Glandoran L 83 Clogrenan W 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscouth 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown LC 12 Seskinnamara 19 Ballypicrce 21 Johnswell	•	Offaly	0	0	Ő	1	0	Ő	1	õ	8.3	63.6		
78 Orchard 79 Clonogan W 80 Glandoran I 83 Clogrenan W 84 Lisnevagh 85 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 07 Ballynahiller 11 Newtown Lot 12 Seskinnama 19 Ballypicree 21 Kilmacolivee		Offaly	0	3	0	0	0	0	3	0	25.0	39.4		
80 Glandoran L 83 Clogrenan V 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lot 13 Seskinnama 19 Ballypierce 21 Kilmacolive		Carlow	0	0	0	1	0	0	1	0	8.3	51.5		
 83 Clogrenan V 84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Kilmacolivee 	onogan Wood	Carlow	1	0	0	0	0	0	1	0	8.3	45.5		
84 Lisnevagh 86 Drumgoole 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscoutt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown LC 13 Seskinnama 19 Ballypierce 21 Kilmacolivee	andoran Upper/Carthy's Wood	Wexford	0	0	0	1	0	0	1	0	8.3	57.6		
 Be Drumgoole Ballymore D Ballymore D Wells East Wells West Island Hous Litterbeg Milltown Castletown Kilmacow Ballytobin/B Coolroebeg Foulkscourt Coolroebeg Shankill Raheendon Ballinrush Crane Bridg Mackmine V Ballynahiller Newtown Lc Seskinnama Ballypicree Johnswell 	ogrenan Wood	Carlow	1	1	0	0	1	0	3	0	25.0	30.3		
 87 Ballymore D 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Kilmacolivee 		Carlow	1	2	1	3	0	0	7	0	58.3	27.3		
 89 Wells East 90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 90 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lot 13 Seskinnama 19 Ballypierce 21 Kilmacoli 		Kilkenny	2	1	0	0	1	0	4	0	33.3	24.2		
90 Wells West 91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendom 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Loc 12 Seskinnama 19 Ballypierce 21 Kilmacolivee	allymore Demesne	Wexford	2	1	0	2	0	0	5	0	41.7	39.4		
91 Island Hous 92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballynahiller 01 Ballynahiller 10 Ballynahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Kilmacolivee		Wexford Wexford	2 2	1 1	1 0	0 0	0 0	0 0	4 3	0 0	33.3 25.0	39.4 33.3		
92 Litterbeg 97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscout 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Kilmacolivee		Wexford	2	0	0	0	0	0	3	0	25.0	33.3 48.5		
97 Milltown 98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Johnswell		Wexford	1	1	0	0	0	0	2	0	16.7	40.5		
98 Castletown 99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendonn 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Kilmacolivee		Offaly	1	1	0	0	1	0	3	0	25.0	39.4		
99 Kilmacow 00 Ballytobin/B 01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendom 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lot 13 Seskinnama 19 Ballypierce 21 Kilmacolivee	astletown House (Building Wood)	Kilkenny	2	1	0	1	0	0	4	0	33.3	33.3		
01 Foulkscourt 03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Kilmacolivee	· • /	Kilkenny	0	1	1	0	0	0	2	0	16.7	51.5		
03 Coolroebeg 04 Shankill 05 Raheendon 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Kilmacoliver 23 Johnswell	allytobin/Ballaghtobin	Kilkenny	0	1	0	1	0	0	2	0	16.7	63.6		
04 Shankill 05 Raheendom 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lot 13 Seskinnama 19 Ballypierce 21 Kilmacolive 23 Johnswell		Kilkenny	2	0	0	0	0	0	2	0	16.7	42.4		
05 Raheendom 06 Ballinrush 08 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lot 13 Seskinnama 19 Ballypeirce 21 Kilmacolivee 23 Johnswell	•	Kilkenny	0	0	0	0	0	0	0	0	0.0	51.5		
D6 Ballinrush D8 Crane Bridg D9 Mackmine V D0 Ballynahiller 11 Newtown Lot 13 Seskinnama 19 Ballypierce 21 Kilmacolivee 23 Johnswell		Kilkenny	0	0	0	1	0	0	1	0	8.3	54.5		
O8 Crane Bridg 09 Mackmine V 10 Ballynahiller 11 Newtown Lc 13 Seskinnama 19 Ballypierce 21 Kilmacolivee 23 Johnswell		Kilkenny	0	1	0	0	0	0	1	0	8.3	45.5		
Mackmine V 10 Ballynahiller 11 Newtown Lot 13 Seskinnama 19 Ballypierce 21 Kilmacoliver 23 Johnswell		Carlow Wexford	0 1	1 0	0 0	0 0	0 1	0 0	1 2	0 0	8.3 16.7	36.4 48.5		
10 Ballynahiller 11 Newtown Lo 13 Seskinnama 19 Ballypierce 21 Kilmacoliver 23 Johnswell	0	Wexford	0	1	0	0	0	0	2	0	8.3	48.5 51.5		
Newtown Lo Seskinnama Ballypierce Kilmacoliver Johnswell		Wexford	0	2	0	0	0	0	2	0	6.3 16.7	36.4		
13Seskinnama19Ballypierce21Kilmacoliver23Johnswell	ewtown Lower	Wexford	2	0	0	0	0	0	2	0	16.7	66.7		
19Ballypierce21Kilmacoliver23Johnswell	eskinnamadra	Carlow	0	0	0	1	Ő	0	1	0	8.3	45.5		
21 Kilmacoliver 23 Johnswell		Carlow	0	1	1	0	0	0	2	0	16.7	57.6		
23 Johnswell		Kilkenny	0	1	0	0	0	0	1	0	8.3	48.5		
05 N		Kilkenny	0	1	0	0	0	0	1	0	8.3	45.5		
	ewrath	Kilkenny	1	1	1	1	0	0	4	0	33.3	57.6		
26 Skehana		Kilkenny	0	0	0	0	0	0	0	0	0.0	42.4		
27 Lisdowney \ 28 Crumlin/Tull	sdowney Wood	Kilkenny Offaly	0 0	1 2	1 0	1 0	1 0	0 0	4 2	0 0	33.3 16.7	45.5 33.3		

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INVEST	e species Gratin

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						25 C28 ^{POPY} Deadlamaged vers GBMUMB ECOPE NESHIP 0/0 ^{Thest} 50 ^{PE} 1 12 100.0 100.0										
						Damagit	ation stief	6	an	ade.		100.0				
				Species		eregen	ng activitie	10pt	deadlor	Missing	Values olo Threat Sec	re vation.				
			Sive	Grazing	n nat	INC Radit	no dic	att. "din	»ٽ يو	sing	Ave theat	conserv				
		M	17 ¹⁰ 2	Grat 3	No ¹¹ 2	0 ³¹¹	67 ⁰	Stat.	دور 12	Miss	₀∖~` 100.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
Site No.	Woodland Name	Max. score County	2	3	2	3	1	- 1	12		100.0	100.0				
229	Castle Bernard Demense	Offaly	2	0	0	1	0	0	3	0	25.0	54.5				
230 234	Ballymack Monassa	Kilkenny Kilkenny	0 0	0 1	0 2	1 0	0 0	0 0	1 3	0 0	8.3 25.0	42.4 51.5				
236	Flagmount North	Kilkenny	0	0	0	0	0	0	0	0	0.0	39.4				
237	Broughal	Offaly	0	0	1	0	0	0	1	0	8.3	45.5				
238 240	Barnaboy	Offaly	0 0	1 2	0 0	0 0	0 0	0 0	1 2	0 0	8.3 16.7	33.3 36.4				
240 241	Clonmacnoise Clonassy Wood	Offaly Kilkenny	0	2	0	0	0	0	2	0	8.3	36.4 39.4				
242	Grantstown Wood	Laois	2	0	0	0	1	0	3	0	25.0	60.6				
245	Dunamase Woods	Laois	0	0	0	0	0	0	0	0	0.0	45.5				
246	Rock of Dunamase	Laois	0	0	0	0 0	0	0	0	0	0.0	45.5				
249 250	Clopook Wood Clopook Valley	Laois Laois	0 0	0 0	0 0	0	0 1	0 0	0 1	0 0	0.0 8.3	33.3 57.6				
251	Timahoe Eskers	Laois	1	Ő	Ő	1	0	Ő	2	0	16.7	51.5				
252	Clonaslee Eskers	Laois	0	0	0	1	0	0	1	0	8.3	42.4				
253	Kilteale Hill	Laois	0	0	0	1	0	0	1	0	8.3	45.5				
254 255	Knockbawn Morton's Grove	Laois Laois	0 2	0 2	0 0	1 0	0 0	0 0	1 4	0 0	8.3 33.3	66.7 66.7				
256	Coolnamony	Laois	1	0	0	0	0	0	1	0	8.3	66.7				
257	Capard	Laois	0	0	1	0	0	0	1	0	8.3	51.5				
258	Brittas	Laois	0	0	0	0	1	0	1	0	8.3	45.5				
259 260	Garryhinch Demesne Ballyfin Demesne	Laois Laois	0 1	1 0	1 1	0 0	0 0	0 0	2 2	0 0	16.7 16.7	48.5 69.7				
262	Rathcoffey	Laois	1	0	1	1	0	0	2	0	25.0	51.5				
263	Vicarstown	Laois	0	0	0	1	0	0	1	0	8.3	54.5				
265	Ballhuppahane	Laois	1	0	0	0	0	0	1	0	8.3	63.6				
266	Cush Upper	Laois	0	0	0	1	0	0	1	0	8.3	48.5				
268 269	Cappagh North Glenmalyre Demesne	Laois Laois	0 1	0 0	0 1	1 0	0 0	0 0	1 2	0 0	8.3 16.7	45.5 51.5				
270	Ballybeg Mill	Wexford	0	0	0	0	0	1	1	0	8.3	48.5				
273	Barkmill	Laois	1	1	0	0	1	0	3	0	25.0	36.4				
274	Bughorn	Laois	0	0	0	0	0	0	0	0	0.0	42.4				
275 276	Ballina Maidenhead	Laois Laois	0 0	1 0	0 0	0 0	0 0	0 0	1 0	0 0	8.3 0.0	42.4 51.5				
277	Ashfield	Laois	0	0	0	õ	0	0	0	0	0.0	42.4				
278	Derrykearn	Laois	0	0	0	0	0	0	0	0	0.0	48.5				
280	Kilcruise	Laois	0	1	0	0	0	0	1	0	8.3	54.5				
281 282	Kilkoke Castledurrow Demesne	Laois Laois	0 0	1 1	0 1	0 0	0 0	0 0	1 2	0 0	8.3 16.7	48.5 45.5				
283	Dunmore Demesne	Laois	1	1	0	0	1	0	3	0	25.0	51.5				
284	Course Wood	Laois	0	1	1	1	0	0	3	0	25.0	48.5				
286	Knocknatrina Wood	Laois	0	1	0	0	1	0	2	0	16.7	45.5				
287 289	Knockbeg College Crush Wood	Laois Laois	1 0	0 0	0 0	0 0	0 0	0 0	1 0	0 0	8.3 0.0	45.5 30.3				
290	Warren Hill	Laois	1	1	2	0	1	0	5	0	41.7	42.4				
294	Scotchrath House	Laois	0	1	0	0	1	0	2	0	16.7	27.3				
296	Corbally	Laois	1	0	0	0	0	0	1	0	8.3	51.5				
297 300	Killeany Rolloghmore Lippor	Laois Laois	0 0	1 2	0 1	0 0	0 0	0 0	1 3	0 0	8.3 25.0	42.4 39.4				
302	Ballaghmore Upper Garryricken South	Kilkenny	1	1	1	0	0	0	3	0	25.0	57.6				
303	Harperstown	Wexford	0	0	0	0	0	0	0	0	0.0	48.5				
304	Garrylough Lower	Wexford	0	1	1	0	0	0	2	0	16.7	45.5				
305 307	Pollfur Bridge Wood Donore House Wood	Wexford Laois	0 0	1 2	2 0	0 1	0 0	0 0	3 3	0 0	25.0 25.0	39.4 42.4				
307 308	Barleagh Wood	Kilkenny	0	2	2	0	0	0	3	0	25.0 25.0	42.4 42.4				
309	Emmel West	Offaly	0	1	0	0	0	0	1	0	8.3	30.3				
310	Coolaphuca	Carlow	1	0	0	1	0	0	2	0	16.7	69.7				
311	Barnadown Wood	Wexford	0	0	0	0 0	0	0	0	0	0.0	21.2				
313 316	Kilballyskea Bog Ballynattin	Offaly Carlow	0 0	1 1	0 0	0	0 0	0 0	1 1	0 0	8.3 8.3	30.3 48.5				
320	Big Wood (Wexford)	Wexford	0	1	0	1	0	0	2	0	16.7	30.3				
321	Brownstown	Offaly	0	1	1	1	0	0	3	0	25.0	63.6				
322	North Brow	Laois	0	2	1	0	0	0	3	0	25.0	45.5				
324	Cloghscregg Brownstown East	Kilkenny Offaly	1 1	1 1	0 0	0 0	0 0	0 0	2 2	0 0	16.7 16.7	36.4 30.3				
326		Chary			0		0	0	4	0		50.5				
	Carrhill Wood	Wexford	1	1	2	0	1	0	5	0	41.7	24.2				
326 327 328 329	Carrhill Wood Lisheen Clondallow	Wexford Offaly Offaly	1 0 0	1 0 0	2 1 0	0 0 0	1 0 0	0 0 0	5 1 0	0 0 0	41.7 8.3 0.0	24.2 45.5 42.4				

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						Honnalive resonance and static and the static and stati									
						Damagir	atic withe		N dam	80°	6	100 0			
			Invasive	specie	Ň	Ne reg. in	ng activitie	anopy	9 de 30.	Missing	Values on Threat Sec	re cervatio			
			Invasiv	Grazing	Nonna	, Damagi	EXOTIC	Standin	- GCOTE	Missing	olo Three	°'° Cours			
<u></u>		Max. score	2	3	2	3	1	1	12	v	100.0	100.0			
Site No. 330	Woodland Name Rinn Lough Woods	County Leitrim	2	1	0	0	0	0	3	0	25.0	54.5			
331	Ardagh	Leitrim	0	0	0	0	0	0	0	0	0.0	57.6			
332	Buckode	Leitrim	0	0	0	0	0	0	0	0	0.0	54.5			
333 334	Stonepark Garadice Lough Peninsula	Leitrim Leitrim	0 0	1	0 0	0 0	0 0	0 0	1	0 0	8.3 8.3	63.6 66.7			
335	Faslowart	Leitrim	0	0	0	0	0	0	0	0	0.0	60.6			
336	Ballard Hill	Wicklow	0	0	1	1	0	0	2	0	16.7	60.6			
337	Massy's Wood	Dublin	1	0	0	0	1	0	2	0	16.7	42.4			
338 339	Vale of Clara O' Donnell's Rock Wood	Wicklow Leitrim	1 0	0 0	1 0	0 0	0 0	0	2 0	0 0	16.7 0.0	72.7 54.5			
340	Killygar House	Leitrim	2	1	1	0	0	0	4	0	33.3	54.5			
841	Ballard Bridge	Wicklow	1	1	0	0	0	0	2	0	16.7	48.5			
344	Cappog	Cavan	0	1	0	1	0	0	2	0	16.7	48.5			
45 46	Ballyconnell Demesne Deerpark (Cavan)	Cavan Cavan	0 2	0 1	0 1	0 2	0 1	0 0	0 7	0 0	0.0 58.3	84.8 66.7			
346 347	Annaghduff	Cavan Cavan	2	1	0	2	0	0	1	0	58.3 8.3	66.7 45.5			
348	Lismore Demesne	Cavan	0	1	0	0	Ő	0	1	0	8.3	33.3			
349	Bellamont Forest	Cavan	0	1	0	0	0	0	1	0	8.3	54.5			
850	Mullaghahy	Cavan	0	0	1	0	0	0	1	0	8.3	42.4			
851 853	Kingscourt Forest Park Greenaun North	Cavan Leitrim	2 0	1 0	1 0	1 0	0 0	0	5 0	0 0	41.7 0.0	60.6 57.6			
355	Treankillew Wood	Leitrim	0	0	0	0	0	0	0	0	0.0	48.5			
356	Mount Campbell Woods South	Leitrim	1	1	0	0	0	0	2	0	16.7	45.5			
360	Woodford	Leitrim	0	0	0	0	0	0	0	0	0.0	33.3			
361 362	Carrickataeane	Leitrim	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.0	54.5			
862 864	Cloonaquin Wood Keelrin	Leitrim Leitrim	0	1	1	0	0	0	2	0	0.0 16.7	45.5 51.5			
865	Mullaghboy South	Leitrim	0	0	0	0	Ő	0	0	0	0.0	54.5			
366	Mullaghboy	Leitrim	0	0	0	0	0	0	0	0	0.0	51.5			
367	Keelrin East	Leitrim	0	1	0	0	0	0	1	0	8.3	60.6			
371 373	Conaghil Corleck/Derrydamph	Leitrim Cavan	1 0	1	1 0	0 0	0 0	0 0	3 1	0 0	25.0 8.3	33.3 48.5			
374	Srabraggan	Roscommon	0	0	0	0	0 0	0	0	0	0.0	48.5			
379	Roosky Hill	Leitrim	0	0	0	0	0	0	0	0	0.0	54.5			
381	Killavoggy Wood	Leitrim	0	2	0	0	0	0	2	0	16.7	33.3			
382 386	Lavagh Wood Glassalt Wood	Leitrim Leitrim	1 0	2 0	1 0	0 0	0 0	0 0	4 0	0 0	33.3 0.0	54.5 36.4			
387	Camalt Wood	Leitrim	0	0	0	0	0	0	0	0	0.0	45.5			
388	Derrycarne Demesne South	Leitrim	1	0	0	1	0	0	2	0	16.7	75.8			
389	Lough MacHugh Wood	Leitrim	0	1	0	0	0	0	1	0	8.3	27.3			
390	Aghadrumcarn Wood	Leitrim	0	1	0	0	0	0	1	0	8.3	36.4			
392 394	Clooncahir Wood Corraleskin Wood	Leitrim Leitrim	0 0	0 3	0 0	0	1	0 0	1 3	0 0	8.3 25.0	51.5 42.4			
396	Summerhouse Wood	Leitrim	2	0	0	0	0	0	2	0	16.7	51.5			
397	Cloone Lough Woods	Leitrim	0	1	0	0	0	0	1	0	8.3	51.5			
399	Stracummer Woods	Leitrim	0	0	0	0	0	1	1	0	8.3	54.5			
400 401	Derrycarne North Lough Fea Demense	Leitrim Monaghan	2 2	1 0	1 0	0 1	0 1	0 0	4 4	0 0	33.3 33.3	39.4 54.5			
101 102	Black Lough/Lough Bawn Woods	Monaghan	2	1	0	0	0	0	4	0	33.3 16.7	54.5 45.5			
103	Fairfield Demense	Monaghan	2	0	2	1	0	0	5	0	41.7	69.7			
04	Old Wood	Monaghan	2	2	0	0	0	0	4	0	33.3	51.5			
06	Nut Wood	Monaghan	1	0	2	0 0	0 0	0	3	0 0	25.0	54.5			
107 108	Derryveen Wood Drumever Woods	Monaghan Monaghan	0 1	1 0	0 0	1	1	0 0	1 3	0	8.3 25.0	57.6 42.4			
-09	Drummully	Monaghan	0	1	0	0	0	0	1	0	8.3	48.5			
10	Derrynashallog	Monaghan	1	1	0	0	0	0	2	0	16.7	54.5			
11	Dromore West	Monaghan	1	1	0	1	0	0	3	0	25.0	60.6			
12 14	Hollywood Lake Wood Derrygorry Wood	Monaghan Monaghan	0 0	1 1	0 0	1 0	0 0	0 0	2 1	0 0	16.7 8.3	57.6 51.5			
16	Castleshane Demense Woods	Monaghan	2	1	0	0	0	0	3	0	25.0	51.5			
17	Tully Wood	Longford	1	1	1	0	0	0	3	0	25.0	42.4			
18	Carrickglass Demense Woods	Longford	2	0	0	0	0	0	2	0	16.7	66.7			
19	Carrickglass Demense Woods West	Longford	2 0	0 1	0 0	0 1	1 0	0 0	3 2	0 0	25.0 16.7	66.7 57.6			
421 422	Derryglogher Wood Kiltyreher Wood	Longford Longford	0	1	0	1	0	0	2	0	16.7 8.3	57.6 51.5			
123	Inisfale Wood	Roscommon	1	2	0	0	Ő	0	3	0	25.0	45.5			
425	Cormongan	Leitrim	0	1	0	0	0	0	1	0	8.3	33.3			
426	Derrycarne Shoreline	Leitrim	1	0	0	0	0	0	1	0	8.3	60.6			

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			111125	Grati	Non	Dame	EXOL	stand	SCOLO	Missi	0/0 TH	°/°C0
		Max. score	2	3	2	3	1	1	12	•	100.0	100.0
Site No.	Woodland Name	County										
427	Carrickarinn	Leitrim	1	1	0	1	0	0	3	0	25.0	66.7
428	Esker North	Leitrim	0	0	0	0	0	0	0	0	0.0	42.4
430	Lugmore Glen	Dublin	0	0	0	0	0	0	0	0	0.0	45.5
432	Largydonnell Wood	Leitrim	1	0	0	0 0	0	0	1	0	8.3	48.5
438 439	Black River Woods Gartbrattan Wood	Cavan Cavan	0 0	0 1	0 0	0	0 0	0 0	0 1	0 0	0.0 8.3	63.6 54.5
+39 443	Knocktemple	Cavan	0	1	0	1	0	0	2	0	o.3 16.7	54.c 42.4
+43 446	Trinity Island Wood	Cavan	0	1	0	1	0	0	2	0	16.7	42.2
448	Kilnaglare Lower Wood	Cavan	0	0	0	0	0	0	0	0	0.0	54.5
453	Drumgoa Wood	Cavan	0	Ő	Ő	Ő	Ő	Ő	Ő	Ő	0.0	48.5
454	Redhill Demense Wood	Cavan	2	1	0	0	Ő	0	3	Ő	25.0	57.6
455	Lavey	Cavan	0	0	1	1	0	0	2	0	16.7	48.5
456	Crocknahattin	Cavan	1	0	0	0	0	0	1	0	8.3	27.3
457	Drumbannan	Cavan	2	0	0	0	0	0	2	0	16.7	27.3
458	Lear	Cavan	0	0	1	0	0	0	1	0	8.3	24.2
459	Drummora Great Wood	Cavan	0	1	0	0	0	0	1	0	8.3	39.4
460	Gortnanoul Wood	Cavan	0	0	0	0	1	0	1	0	8.3	21.2
461	Makeif Wood	Cavan	0	1	0	0	0	0	1	0	8.3	42.4
463	Derinish More Wood	Cavan	0	1	0	0	1	0	2	0	16.7	57.6
165	Annagh Wood West	Cavan	0	1	0	0	0	0	1	0	8.3	45.
466	Stonepark Wood	Cavan	0	1	1	1	1	0	4	0	33.3	39.4
467	St John's Wood	Roscommon	0	1	0	0	0	0	1	0	8.3	87.9
468	Black Island Wood	Leitrim	0	0	1	0	0	0	1	0	8.3	63.6
469	Meenagh Wood	Leitrim	2	2	0	1	0	0	5	0	41.7	63.6
470	Mantua House	Roscommon	2	0	2	0	0	0	4	0	33.3	51.5
171	Warren Point	Roscommon	0	0	0	0	0	0	0	0	0.0	51.5
172	Hughestown Wood	Roscommon	0	1	0	0	0	0	1	0	8.3	63.
174	Danesfort	Roscommon	0	1	0	0	0	0	1	0	8.3	54.
175	Drumcormick Wood	Roscommon	0	0	0	0	0	0	0	0	0.0	60.
176	Drummans Island	Roscommon	2	1	0	0	0	1	4	0	33.3	57.0
177 170	The Quarters	Roscommon	1	0	0	0 0	0	0	1	0	8.3	39.4
478	Cloontykilla Wood	Roscommon	2 1	0 0	0 0	0	0 0	0 0	2 1	0 0	16.7 8.3	54.5
479 480	Knockvicker	Roscommon	0		0	1	0	0	2	0	8.3 16.7	54.
480 481	Dooneen Caslans Wood	Roscommon	0	1 0	0	0	1	0	2	0	8.3	51.5 36.4
482	Kilcloghan	Roscommon Roscommon	0	1	0	0	0	0	1	0	8.3	57.6
483	Cloonsillagh	Roscommon	0	0	0	0	0	0	0	0	0.0	42.4
+03 484	Derrymacstur	Roscommon	0	0	0	0	0	0	0	0	0.0	42.
485	Knockranny	Roscommon	0	1	0	0	0	0	1	0	8.3	54.5
486	Doon Wood	Roscommon	1	2	Ő	0	Ő	0 0	3	Ő	25.0	51.5
488	Owengallees	Cavan	0	2	Ő	0	0	0 0	2	Ő	16.7	48.5
490	Gortnacargy	Cavan	Ő	1	Ő	0	Ő	0	1	õ	8.3	48.5
493	Clontycarnaghan	Cavan	0	0	0	0	1	0	1	0	8.3	48.5
495	Moherreagh	Cavan	0	0	0	1	0	0	1	0	8.3	51.5
196	Tonyhamigan	Monaghan	0	0	0	0	0	0	0	0	0.0	24.
497	Newtown Wood (Cavan)	Cavan	0	1	1	1	0	0	3	0	25.0	36.4
498	Erne Head	Longford	2	1	0	0	1	0	4	0	33.3	51.5
499	Glenfarne Wood	Leitrim	2	0	0	0	0	0	2	0	16.7	45.5
500	Tullyguide Lough	Cavan	0	1	0	0	0	0	1	0	8.3	45.
501	Doogarymore	Roscommon	0	0	0	1	0	0	1	0	8.3	42.4
502	Killycarney	Cavan	0	3	0	0	0	0	3	0	25.0	36.4
503	Doogarymore Bog	Roscommon	0	1	0	1	0	0	2	0	16.7	33.
504	Derrycassin	Longford	0	1	0	0	0	0	1	0	8.3	54.
505	Cavan	Leitrim	0	0	0	0	0	0	0	0	0.0	42.4
506	Drumdowney	Kilkenny	х	х	х	х	х	х	х	6	N/A	54.
507	Forestaltown	Kilkenny	х	х	х	х	х	х	х	6	N/A	45.
508	Dunganstown	Wexford	х	х	х	х	х	х	х	6	N/A	54.
509	Kearney's Bay	Kilkenny	х	х	х	х	х	х	х	6	N/A	29.
510	Stokestown	Wexford	х	х	х	х	х	х	х	6	N/A	33.
511	Fishertown	Wexford	х	х	х	х	х	х	х	6	N/A	37.
512	Poulmaloe	Wexford	х	х	х	х	х	х	х	6	N/A	33.
513	Buttermilk Point	Wexford	х	х	х	х	х	х	х	6	N/A	29.
514	Mountgarrett	Wexford	х	х	х	х	х	х	х	6	N/A	50.
515	Kylecorragh	Kilkenny	х	х	х	х	х	х	х	6	N/A	66.
516	Island on the Nore	Kilkenny	х	х	х	х	х	х	х	6	N/A	N//
517	Opposite Murphy's of the River	Kilkenny	х	х	х	х	х	х	х	6	N/A	N//
518	Murphy's of the River	Kilkenny	х	х	х	х	х	х	х	6	N/A	41.
519	Coolnamuck	Kilkenny	х	х	х	х	х	х	х	6	N/A	29.3

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INVasive	SPeu .c
INVEST	Grating

			5 1 2 3 2 3 1 1 1 12											
				-9		net	ation ng activities Exotic	6	dam	ade.		01° 0000		
				Species Grating		we rege	ng activities	anopy	dead	Missinc	Values	re rvation		
			Vasive	Grazing	onnat	it amagi	otic	andin	9 ~0 ¹⁶	issing	Threat	Conser		
		Max. score	1 ¹¹ 2	۵ ^۲ 3	4 ⁰ 2	0° 3	СТ 1	5 ¹⁰	ଟ୍ୟ 12	WIT	°\° 100.0	°∾ 100.0		
Site No.	Woodland Name	County												
520 521	Coolnamuck 2 Dysart/Newgrove	Kilkenny Kilkenny	x x	x x	x x	x x	x x	x x	x x	6 6	N/A N/A	N/A 45.8		
522	Woodview	Sligo	x	x	x	x	x	x	x	6	N/A	25.0		
523	Woodview Gate (Markree)	Sligo	х	х	х	х	х	х	х	6	N/A	45.8		
524	Gobbadagh (Markree)	Sligo	х	х	х	х	х	х	х	6	N/A	54.2		
525 526	Markree Castle (Markree)	Sligo	x	x	X	X	x	X	X	6 6	N/A N/A	66.7 50.0		
26 28	Toberscanavan I, (Markree) Toberscanavan III (Markree)	Sligo Sligo	x x	x x	x x	x x	x x	x x	x x	6	N/A	30.0 37.5		
529	Coopershill	Sligo	x	x	x	x	x	x	x	6	N/A	33.3		
30	Bridge (Coopershill)	Sligo	х	x	х	х	х	х	х	6	N/A	25.0		
31	Ardneeskan (Coopershill)	Sligo	х	х	х	х	х	х	х	6	N/A	37.5		
32	Isolated Woodland (Coopershill)	Sligo	х	х	х	х	х	х	х	6	N/A	25.0		
33	Coolbock Bridge	Sligo	x	x	x	x	x	x	x	6	N/A	33.3		
34 35	Fidwog Knocknacross	Sligo Sligo	x x	x x	x x	x x	x x	x x	x x	6 6	N/A N/A	62.5 50.0		
35 36	Ardkeeran	Sligo	x	x x	x	x	x x	x	x x	6	N/A	50.0 41.7		
i37	Closkeybridge	Sligo	x	x	x	x	x	x	x	6	N/A	N/A		
38	Doonsheheen	Sligo	х	x	х	х	х	х	х	6	N/A	29.2		
39	Annagh (Sligo)	Sligo	х	х	х	х	х	х	х	6	N/A	33.3		
40	Clonguish (Castle Forbes)	Longford	х	х	х	х	х	х	х	6	N/A	62.5		
41	Ballykenny Wood, (Castle Forbes)	Longford	х	х	х	х	х	х	х	6	N/A	41.7		
42 43	Annagh (Castle Forbes)	Longford	x	x	x	x	x	x	x	6 6	N/A N/A	66.7 50.0		
43 44	Lissagernal (Castle Forbes) Gubroe (Castle Forbes)	Longford Longford	x x	x x	x x	x x	x x	x x	x x	6	N/A N/A	50.0 75.0		
46	Corlehan (Castle Forbes)	Longford	x	x	x	x	x	x	x	6	N/A	58.3		
47	Cornollen	Longford	x	x	x	x	x	x	x	6	N/A	45.8		
48	Big Wood (Laois)	Laois	х	х	х	х	х	х	х	6	N/A	N/A		
49	Kylebeg	Laois	х	х	х	х	х	х	х	6	N/A	N/A		
50	Coolcor North	Offaly	х	х	х	х	х	х	х	6	N/A	33.3		
51	Srah	Offaly	x	x	x	x	x	x	х	6	N/A	33.3		
52 53	Woodfield House Woodfield Bog South	Offaly Offaly	x x	x x	x x	x x	x x	x x	x x	6 6	N/A N/A	50.0 33.3		
i53	Toberdaly	Offaly	x	x	x	x	x	x	x	6	N/A	33.3		
55	Tara	Offaly	x	x	x	x	x	x	x	6	N/A	37.5		
56	Balleek Beg	Offaly	х	х	х	х	х	х	х	6	N/A	58.3		
57	Ballynamona	Offaly	х	х	х	х	х	х	х	6	N/A	50.0		
58	Clonearl Demesne	Offaly	х	х	х	х	х	х	х	6	N/A	50.0		
59	Killesh	Offaly	х	х	х	х	х	х	х	6	N/A	45.8		
60 61	Coole East Clonlack	Offaly	x	x	X	X	x	X	X	6 6	N/A N/A	37.5 50.0		
62	Doory Northwest	Offaly Offaly	x x	x x	x x	x x	x x	x x	x x	6	N/A	37.5		
63	Clara Bog (Margin)	Offaly	x	x	x	x	x	x	x	6	N/A	50.0		
64	Bracklin Big	Offaly	х	х	х	х	х	х	х	6	N/A	54.2		
65	Fairfield	Offaly	х	х	х	х	х	х	х	6	N/A	29.2		
66	Derrygrogan Little	Offaly	х	х	х	х	х	х	х	6	N/A	37.5		
67	Rathdrum	Offaly	х	х	х	х	х	х	х	6	N/A	41.7		
68	Cavemount	Offaly	х	х	х	х	х	х	х	6	N/A	33.3		
69 70	Derryesker/Boley Beg Callows Ballyduff Wood	Offaly Offaly	x x	x x	x x	x	x x	x x	X	6 6	N/A N/A	50.0 50.0		
70	Moleen	Offaly	x	x	x	x x	x	x	x x	6	N/A	41.7		
72	Tipperary Peat Bog	Offaly	x	x	x	x	x	x	x	6	N/A	33.3		
73	Ballycommon Grand Canal	Offaly	х	х	х	х	х	х	х	6	N/A	45.8		
74	Charleville South	Offaly	х	х	х	х	х	х	х	6	N/A	87.5		
75	Charleville North	Offaly	х	х	х	х	х	х	х	6	N/A	70.8		
76	Charleville Brookfield	Offaly	х	х	х	х	х	х	х	6	N/A	58.3		
77 79	Charleville Killeska	Offaly	x	X	X	X	x	X	X	6	N/A	66.7		
78 79	Hand's Wood Big Wood (East Offaly)	Offaly Offaly	x x	x x	x x	x x	x x	x x	x x	6 6	N/A N/A	66.7 54.2		
79 80	Annagharvey Central	Offaly	x	x x	x	x	x x	x x	x x	6	N/A	54.2 41.7		
81	Meelaghans	Offaly	x	x	x	x	x	x	x	6	N/A	50.0		
82	Hara's Hill	Offaly	x	x	x	x	x	x	x	6	N/A	58.3		
83	Derrygolan North	Offaly	х	х	х	х	х	х	х	6	N/A	41.7		
84	Cloncon	Offaly	х	х	х	х	х	х	х	6	N/A	41.7		
85	Ballaun Stone	Offaly	х	х	х	х	х	х	х	6	N/A	37.5		
86	Shanvally	Offaly	х	х	х	х	х	х	х	6	N/A	45.8		
	Dana (Ohan un III)	04-1								~	N1/A			
587 588	Ross/Shanvally Derrygolan East	Offaly Offaly	x x	x x	x x	x x	x x	x x	x x	6 6	N/A N/A	41.7 41.7		

	spect
Wash	ve species

											6					
			Max. score 2 3 2 3 1 1 12									ad trees				
				.e ⁵		rener	ation ng activities Exotic	э.	all dam	895	6	N ^e o, conservation 100.0				
				Grating	Ň	ve reus	ng activitie	anopy of	J deau	Missing	Values , Threat Sec	servatio				
			Invasiv	Grating	Non-no	Damag	EXOTIC	Standin	Score	Missing	o/o Three	°/° Cour				
Site No.	Woodland Name	Max. score	2	3	2	3	1	1	12		100.0	100.0				
51 te NO. 590	Woodland Name Garbally	County Offaly	х	x	х	х	х	х	х	6	N/A	25.0				
591	Pallas Lough	Offaly	х	х	х	х	х	х	х	6	N/A	58.3				
592	Killeigh Townland	Offaly	х	х	х	х	х	х	х	6	N/A	58.3				
593	Graigue North	Offaly	x	x	x	x	x	x	x	6 6	N/A	58.3				
594 595	Graigue South Derryad South	Offaly Offaly	x x	x x	x x	x x	x x	x x	x x	6	N/A N/A	50.0 41.7				
96	Derryad Northeast	Offaly	x	x	x	x	x	x	x	6	N/A	41.7				
97	Lugamarla South	Offaly	х	х	х	х	х	х	х	6	N/A	37.5				
98	Annaghmore West	Offaly	х	х	х	х	х	х	х	6	N/A	29.2				
99	Mount Bolus South	Offaly	x	x	x	x	x	x	x	6	N/A	41.7				
00 01	Annaghbrack Glebe Annaghmore House	Offaly Offaly	x x	x x	x x	x x	x x	x x	x x	6 6	N/A N/A	33.3 29.2				
02	Cush Upper NW	Offaly	x	x	x	x	x	x	x	6	N/A	33.3				
03	Annaghmore / Lough Fen East	Offaly	x	x	x	x	x	x	x	6	N/A	37.5				
604	Woodenbridge	Offaly	х	х	х	х	х	х	х	6	N/A	37.5				
05	All Saint's Bog	Offaly	х	х	х	х	х	х	х	6	N/A	37.5				
06	Clara Bog (Central)	Offaly	x	X	x	x	x	x	X	6	N/A	33.3				
07 08	Cloonshanville Park Hill	Roscommon Laois	x x	x x	x x	x x	x x	x x	x x	6 6	N/A N/A	37.5 N/A				
10	Tipping Hill	Louth	2	0	1	1	1	0	5	0	41.7	60.6				
12	Rathscar Lake	Louth	2	1	0	0	1	0 0	4	0 0	33.3	57.6				
13	Cornamucklagh (Louth)	Louth	2	2	1	0	1	0	6	0	50.0	30.3				
514	Corratober	Cavan	0	0	0	0	0	0	0	0	0.0	54.5				
17	Garthylough	Cavan	0	1	0	0	0	0	1	0	8.3	39.4				
18	Enaghan	Longford	0	1	0	1 0	0	0	2	0	16.7	60.6				
19 21	Lisraherty Skeagh	Longford Cavan	1 2	1	0 0	0	0 0	0 0	2 3	0 0	16.7 25.0	48.5 54.5				
22	Anaverna	Louth	0	1	0	Ő	1	0	2	0	16.7	27.3				
25	Cruicetown Wood	Meath	2	0	0	0	0	0	2	0	16.7	48.5				
29	Puckstown	Louth	0	0	1	1	1	0	3	0	25.0	45.5				
31	King William's Glen	Louth	0	0	0	0	1	0	1	0	8.3	57.6				
32	Beaulieu	Louth	2	1	0	0	1	0	4	0	33.3	51.5				
39 40	Ravensdale Park Red Bog	Louth Louth	0 0	2 0	1 0	0 0	1 0	0 0	4 0	0 0	33.3 0.0	30.3 54.5				
40	Woodpole Fox Covert	Meath	0	0	0	0	0	0	0	0	0.0	54.5 15.2				
44	Fortland	Cavan	2	1	1	0	0	0	4	0	33.3	45.5				
45	Crover	Cavan	1	2	0	0	0	0	3	0	25.0	48.5				
47	Garrysallagh	Cavan	0	0	0	2	0	0	2	0	16.7	57.6				
48	Mulrick	Cavan	0	1	0	0	1	0	2	0	16.7	57.6				
49 50	Cornamucklagh (Cavan) Carricknaveddan	Cavan	0 2	1	0 0	0 0	0 0	0 0	1 3	0 0	8.3 25.0	48.5 33.3				
50 52	Duncollog	Cavan Cavan	0	0	0	0	0	0	0	0	0.0	60.6				
54	Shinan	Cavan	0	1	0	0	0	0	1	0	8.3	51.5				
55	Darkley	Cavan	0	0	1	0	1	0	2	0	16.7	42.4				
56	Lisdoagh	Cavan	0	1	0	0	0	0	1	0	8.3	39.4				
57	Drumlumman	Cavan	0	1	0	1	0	0	2	0	16.7	39.4				
58 60	Knockbride Cullies	Cavan	2	1 1	0 0	0 0	0 0	0 0	3 2	0 0	25.0 16.7	39.4 57.6				
60 61	Cullies Derrynure	Cavan Cavan	1	1	0	1	0	0	2	0	16.7 25.0	57.6 48.5				
64	Townley Hall	Louth	0	0	1	0	1	0	2	0	16.7	42.4				
68	Louth Hall	Louth	2	0	2	2	0	0	6	0	50.0	42.4				
70	Clondalee More	Meath	0	2	0	1	0	0	3	0	25.0	66.7				
71	Crossantown	Meath	0	0	0	0	0	0	0	0	0.0	45.5				
72 75	Castletowncooly	Louth	0	0	0	0 0	0 0	0	0 1	0 0	0.0	39.4				
75 76	Coragh Cornagee	Cavan Cavan	0 0	1 2	0 0	0	0	0 0	1	0	8.3 16.7	51.5 33.3				
78	Carracloghan	Louth	0	2	1	0	0	0	2	0	16.7	36.4				
79	Collon	Louth	2	2	0	0	0	0	4	0	33.3	57.6				
80	Toomes	Louth	0	0	0	0	0	0	0	0	0.0	45.5				
81	Muff (Louth)	Louth	0	1	0	0	0	0	1	0	8.3	42.4				
83	Phillipstown	Louth	0	0	0	1	1	0	2	0	16.7	33.3				
85 °C	Annagh (Meath)	Meath	0	0	1	0 0	1	0	2	0	16.7	42.4				
86 87	Rock Wood Thomastown Bog	Meath Meath	2 0	0 1	0 0	0	0 0	0 0	2 1	0 0	16.7 8.3	30.3 60.6				
88	Grove Island	Meath	1	1	1	0	1	0	4	0	33.3	57.6				
91	Billis	Cavan	0	1	1	0	0	Ő	2	Ő	16.7	45.5				
	Beagh Blebe	Cavan	0	1	0	0	0	0			8.3	36.4				
593	Deagii Diebe	Oavan	0		0	0	0	0	1	0	0.5	30.4				

Invasive	cies
^e	SPEL
1112351	Grating

							. AT	anopy Stanoin		ed trees	•	
				~	Nonnati 2	Danagir	atio. "itie	•	dan	20 ⁶		100.0
				species Grating		ve rege	9 activities	anopy	deadle	Missing	Values olo Threat Seco	re ervatio
			Vasive	Grazing	onnati	amagir	. volice	andin'	, ore	issin	Threat	Conse
		Max. score	۳ ^۲ 2	জ 3	4 ⁰ 2	°° 3	<u>د</u> ت ۱	5° 1	50 12	hu.	°∖° 100.0	°\° 100.0
Site No.	Woodland Name	County										
695 696	Annagharnet Kill	Cavan Cavan	0 0	1 1	0 0	0 0	0 0	0 0	1 1	0 0	8.3 8.3	42.4 39.4
598 598	Carrigan	Cavan	0	1	0	1	0	0	2	0	16.7	39.4 39.4
699	Flemingstown East	Meath	2	0	1	1	1	0	5	0	41.7	72.7
701	Greenan North	Meath	2	0	0	0	0	1	3	0	25.0	57.6
702 703	Rahinstown Glenmore Fox Covert	Meath Meath	2 2	1 0	0 1	0 0	0 1	0 0	3 4	0 0	25.0 33.3	45.5 57.6
'04	Bog Woods	Meath	1	0	0	0	0	0	1	0	8.3	39.4
05	Burtonstown	Meath	1	1	0	0	0	0	2	0	16.7	42.4
07	Ardsallagh	Meath	1	0	1	0	0	0	2	0	16.7	48.5
'11 '12	Derrysheridan	Meath	0	0	0	0	0	0	0	0	0.0	48.5
'13 '15	Drive Wood Balrath	Meath Meath	2 2	0 1	2 2	1 0	0 1	0 0	5 6	0 0	41.7 50.0	36.4 57.6
18	Birdhill	Meath	2	0	0	0	0	0	2	0	16.7	51.5
24	Brittas (Meath)	Meath	2	0	1	0	0	0	3	0	25.0	57.6
26	Knightstown	Meath	0	0	2	0	0	0	2	0	16.7	63.6
'27 '29	Culnagore Wood	Longford	0	0 1	0	0 0	0 0	0 0	0	0 0	0.0	69.7
'28 '29	Coolamber White Sand Wood	Longford Longford	2 1	0	2 1	0	0	0	5 2	0	41.7 16.7	54.5 60.6
30	Clonbroney	Longford	0	1	0	0	0	0 0	1	0	8.3	45.5
'31	Windmill Wood	Longford	2	0	0	0	0	0	2	0	16.7	54.5
732	Abbeyderg	Longford	0	0	0	0	0	0	0	0	0.0	57.6
'33 '34	Corrabola Lislea	Longford	0 1	0 0	0 0	1 0	0 0	0 0	1 1	0 0	8.3 8.3	57.6 45.5
34 '35	Lislea	Longford Longford	2	1	0	0	0	0	3	0	o.s 25.0	45.5 54.5
36	Cleraun	Longford	0	2	1	0	0	0 0	3	0	25.0	51.5
37	Newcastle West	Longford	0	2	1	0	1	0	4	0	33.3	36.4
38	Greenan South	Meath	1	0	0	0	0	1	2	0	16.7	51.5
'42 '43	Isaacstown North Isaacstown South	Meath Meath	0 0	0 1	1 2	0 2	0 0	0 0	1 5	0 0	8.3 41.7	39.4 39.4
43 '45	Jamestown	Meath	0	0	1	1	0	0	2	0	16.7	48.5
'46	Baltynanima	Wicklow	1	2	0	0	0	0	3	0	25.0	84.8
47	Breakey	Meath	0	1	0	0	0	0	1	0	8.3	54.5
48	Molerick	Meath	0	0	0	0	0	0	0	0	0.0	57.6
'49 '50	Tomnafinnoge Newcastle East	Wicklow Longford	2 1	0 0	0 0	0 0	0 1	0 0	2 2	0 0	16.7 16.7	69.7 39.4
'51	Newcastle South	Longford	1	0	0	1	0	0	2	0	16.7	33.3
'52	Yellow Island	Meath/Louth	1	1	2	1	1	0	6	0	50.0	42.4
'53	Tree Island	Meath	0	0	0	0	0	0	0	0	0.0	36.4
56	Summerhill Demesne	Meath	1	1	0	0 0	0	0	2	0	16.7	27.3
'57 '60	Ballymurphy Harristown (Meath)	Meath Meath	2	1	0 0	0	0	0	3 3	0 0	25.0 25.0	27.3 36.4
62	Summerhill Lower	Meath	0	2	0	0	0	0	2	Ő	16.7	36.4
63	Milltown Glen	Meath	2	0	0	0	0	0	2	0	16.7	60.6
765	Newcastle	Meath	1	1	0	0	0	0	2	0	16.7	39.4
766 767	Drumard Kiltyclogh	Longford Longford	0 2	1	0 0	0 0	0 0	0 0	1 3	0 0	8.3 25.0	36.4 54.5
'68	Forgney	Longford	2	0	0	1	0	0	1	0	25.0	42.4
69	Kilcommock Glebe	Longford	2	0	0	0	0	0	2	0	16.7	51.5
70	Glenmore	Longford	2	1	0	0	0	0	3	0	25.0	39.4
71	Golaroe	Longford	2	1	0	0	0	0	3	0	25.0	66.7
73 74	Kiltyreher North Cornahoo	Longford Longford	0 0	1	0 0	0 0	0 0	0 0	1	0 0	8.3 8.3	45.5 42.4
74	Derrybawn	Wicklow	1	0	0	0	0	0	1	0	8.3	66.7
76	Castlehoward	Wicklow	2	0	0	0	1	0	3	0	25.0	75.8
77	Glen of the Downs	Wicklow	1	0	0	0	0	0	1	0	8.3	87.9
79 80	Shelton North	Wicklow	1 2	0 3	0	0 0	0 0	0	1 5	0 0	8.3	69.7
80 81	Luggala Lodge The Devil's Glen	Wicklow Wicklow	2	3	0 0	0	0	0 0	5 1	0	41.7 8.3	63.6 81.8
83	Deputy's Pass	Wicklow	1	0	1	1	0	0	3	0	25.0	81.8
84	Oldboleys	Wicklow	0	3	0	1	0	0	4	0	33.3	57.6
85	Castlekevin	Wicklow	2	2	0	0	0	0	4	0	33.3	66.7
86	The Giants Cut & Lugduff	Wicklow	1	2	0	0	0	0	3	0	25.0	75.8
'89 '91	Knocksink Kilmacrea Wood	Wicklow Wicklow	1 0	0 0	0 0	0 0	0 0	0 0	1 0	0 0	8.3 0.0	87.9 60.6
91 '92	Powerscourt Demesne North	Wicklow	2	2	1	0	0	0	5	0	41.7	42.4
793	Altidore Demesne	Wicklow	2	0	0	0	0	0	2	0	16.7	72.7
796	Ballyarthur	Wicklow	2	0	0	0	0	0	2	0	16.7	45.5

	cies
Invasive	en, ade
11125	Grating

							. of	anopy standin		ed trees		
				. e ⁵	Nornal	rener	ation ng activities Exotic	»	a dan	age	6	100.0
				spect o		IN ^{e res} in	ng acti	anopy .n	J death		values at sco	Servatic
			Invasiv	Species Grating	Non-nu	Damais	ng activitie	Standt	Score	Missinc	Values olo Threat Sec	°/° Cour
Site No.	Woodland Name	Max. score County	2	3	2	3	1	1	12		100.0	100.0
798	Kiltimon	Wicklow	2	0	0	0	0	0	2	0	16.7	48.5
799	Ballinagee Wood	Wicklow	0	0	0	0	0	0	0	0	0.0	42.4
800	Powerscourt Demense South	Wicklow	2	2 1	0	0 0	0	0	4	0	33.3	57.6
301 302	Brockagh Ballinanty	Wicklow Wicklow	0 1	0	0 0	0	1 0	0 0	2 1	0 0	16.7 8.3	42.4 66.7
805	Drumbaun	Longford	0	1	1	Ő	0	0	2	0	16.7	42.4
306	Kiltycreevagh	Longford	0	1	0	0	0	0	1	0	8.3	39.4
807	Cashel	Longford	0	2	1	1	0	0	4	0	33.3	45.5
308	Grillagh	Longford	0	0	0	0	0	0	0	0	0.0	60.6
309	Drumury	Longford	0	1	0	0 0	0	0	1	0	8.3	39.4
810 811	Lehery Coolnahinch	Longford Longford	0 0	3 0	0 0	1	0 0	0 0	3 1	0 0	25.0 8.3	39.4 57.6
814	Cronroe	Wicklow	2	0	0	0	0	0	2	0	6.3 16.7	69.7
815	Kilmacanoge South	Wicklow	0	0	0	1	0	0	1	0	8.3	51.5
318	Ballymacsimon	Wicklow	0	0	0	0	0	0	0	0	0.0	48.5
819	Brockagh South	Wicklow	1	0	0	0	0	0	1	0	8.3	60.6
320	Barnbawn	Wicklow	1	0	0	0	0	0	1	0	8.3	48.5
321	Ballyboy	Wicklow	0	2	2	0	0	0	4	0	33.3	66.7
322	Ballyross Wood	Wicklow	0	3	0	0	0	0	3	0	25.0	54.5
26	Newtownmountkennedy Demesne	Wicklow	0	2	0	0 0	0	0	2	0	16.7	39.4
327 328	Glenwood Ballyman Glen	Wicklow Wicklow	0 1	0 0	0 0	1	0 0	0 0	0 2	0 0	0.0 16.7	48.5 57.6
329	Ballycurragh	Wicklow	0	0	0	0	0	0	0	0	0.0	39.4
330	Coolballintaggart	Wicklow	Ő	Ő	0 0	0 0	0 0	Ő	Ő	Ő	0.0	36.4
331	Coolattin	Wicklow	0	0	1	1	0	0	2	0	16.7	30.3
333	Hollywood Demesne	Wicklow	0	0	0	0	0	0	0	0	0.0	24.2
334	Poulaphuca Bridge	Wicklow	2	1	1	0	0	0	4	0	33.3	48.5
335	Mount Jessop	Longford	0	1	0	0	0	0	1	0	8.3	51.5
337	Derrydaragh	Longford	1	1	1	0	0	0	3	0	25.0	39.4
338 340	Dunbeggan	Longford	0 0	1 2	0 0	0 0	0 0	0 0	1 2	0 0	8.3 16.7	42.4 54.5
340 342	Hazel Wood Derrynanamph	Monaghan Monaghan	0	2	0	0	0	0	2	0	8.3	54.5 51.5
346	Corlat	Monaghan	1	1	1	0	1	0	4	0	33.3	51.5
348	Island Bridge	Monaghan	0	1	0	0 0	0	Ő	1	0 0	8.3	51.5
349	Corrybrackan	Monaghan	0	0	1	0	0	0	1	0	8.3	48.5
352	Tullyglass	Monaghan	2	1	0	0	1	0	4	0	33.3	51.5
353	Annamarron	Monaghan	2	1	0	0	0	0	3	0	25.0	54.5
354	Kilmore West	Monaghan	0	0	0	0	0	0	0	0	0.0	48.5
356	Clohoge	Monaghan	0	0	0	0	0	0	0	0	0.0	54.5
858	Graffagh	Monaghan	0 2	0 2	0	0 0	0 0	0	0	0 0	0.0	63.6
360 261	Reduff	Monaghan	2		0 0	1	0	0 0	4		33.3	60.6 39.4
861 862	Killygally Annahaia	Monaghan Monaghan	0	0	1	1	1	0	3	0	8.3 25.0	39.4 42.4
364	Back Wood	Monaghan	0	2	0	0	1	0 0	3	0 0	25.0	45.5
865	Lutrellstown	Dublin	2	0	2	0	0	Ő	4	0	33.3	63.6
866	Brooklawn Wood	Dublin	2	0	1	1	1	0	5	0	41.7	36.4
868	Drumillard Big	Monaghan	0	1	0	0	0	0	1	0	8.3	33.3
370	Coolawinnia	Wicklow	0	0	0	0	0	1	1	0	8.3	45.5
571	Blackditch	Wicklow	0	0	0	1	0	0	1	0	8.3	63.6
572	Seabank	Wicklow	0	0	0	0	0	0	0	0	0.0	45.5
74 75	Hollywood Glen	Wicklow	0	0	0	0	0	0	0	0	0.0	51.5
75 76	Glennashouk Roundwood	Wicklow Wicklow	0 0	0 2	0 0	0 0	0 0	0 0	0 2	0 0	0.0 16.7	51.5 45.5
81	Howth Demesne	Dublin	2	2	0	0	1	0	2	0	25.0	45.5 39.4
83	Santry Demesne	Dublin	0	0	0	0	1	0	1	0	8.3	39.4
84	Glenasmole Valley	Dublin	1	Ő	0	1	0	Ő	2	0	16.7	81.8
88	Kilquade	Wicklow	2	0	0	0	0	0	2	0	16.7	45.5
92	Clonkeen	Wicklow	1	0	1	0	0	0	2	0	16.7	36.4
94	Ballyward	Wicklow	0	0	1	1	0	0	2	0	16.7	45.5
95	Deerpark (Wicklow)	Wicklow	2	0	1	2	0	0	5	0	41.7	30.3
96	Rathsallagh Demense	Wicklow	2	0	1	1	0	0	4	0	33.3	39.4
99	Askakeagh	Wicklow	0	0	0	0 0	0 0	0	0 1	0	0.0	69.7
902 903	Mungacullin Laragh	Wicklow Wicklow	1 0	0 0	0 0	0	0	0 0	1	0 0	8.3 0.0	36.4 45.5
903 904	Cronelea	Wicklow	0	0	0	0	0	0	0	0	0.0	45.5
906	Knockraheen	Wicklow	0	0	0	0	0	0	0	0	0.0	39.4
			•	-	-		-	-	-	-		50
907	Coolkenna	Wicklow	0	1	0	0	0	0	1	0	8.3	33.3

	cies
i Ne	speciles Grating
INVasi	Grating

							ar Ta	anopy standin		dtrees		
				.6	Non-nati	Danagir	atio. ities	6	dam	ade.		^{100,0}
				species Grating		ve rege	19 activitie	mopy	dead	Missing	Values o, Threat Sec	ie wator
			Vasive	Grazing	ninat	magir	otic	a andin	3 _0 ^{re}	issing	Threat	conser
		Max. score	1 ¹¹ 2	۵ ^۲ 3	N ⁰ 2	0° 3	СТ 1	5 ¹⁰ 1	50 12	WIL	∘\∘ 100.0	°∾ 100.0
Site No.	Woodland Name	County										
909 910	Money Upper West Kilruddery Deerpark	Wicklow Wicklow	0 1	0 0	0 0	0 0	0 0	0 0	0 1	0 0	0.0 8.3	39.4 48.5
914	Ballinagee	Wicklow	0	2	0	Ő	0	0	2	0	16.7	60.6
915	Malahide Demesne	Dublin	2	0	1	0	1	0	4	0	33.3	30.3
916	Newbridge Demesne	Dublin	2	1	2	0	0	0	5	0	41.7	42.4
917 918	Pumphouse Wood Loughlinstown Wood	Dublin Dublin	2 1	1 1	0 0	1 1	0 0	0 0	4 3	0 0	33.3 25.0	36.4 54.5
919	Fitzsimons Wood	Dublin	1	0	0	0	0	0	1	0	25.0	48.5
921	Brackenstown Wood	Dublin	2	1	1	1	1	0	6	0	50.0	30.3
922	Dunganstown West	Wicklow	2	2	0	1	0	0	5	0	41.7	69.7
923	Ballard Lower	Wicklow	0	3	0	0	1	0	4	0	33.3	45.5
924	Kelshabeg	Wicklow	0	0	0	1	0	0	1	0	8.3	51.5
925 927	Crooksling Glen Donadea Forest Park	Dublin Kildare	1 0	0 0	2 2	0 2	1 0	0 0	4 4	0 0	33.3 33.3	42.4 63.6
)27)30	Blackwood	Dublin	2	1	0	0	1	0	4	0	33.3	33.3
931	Balcarrick	Dublin	1	1	0	0	1	0	3	0	25.0	24.2
934	Rush Demesne	Dublin	2	1	1	0	1	0	5	0	41.7	24.2
935	Bray Head Woodland	Wicklow	0	1	1	0	1	0	3	0	25.0	48.5
938	Carton Demense	Kildare	2	0	1	0	1	0	4	0	33.3	63.6
939	Kilteel Wood	Kildare	0	1	0	0	0	0	1	0	8.3	36.4
942	Carbury Wood	Kildare	2 0	0 0	0 0	0 0	0 0	0 0	2 0	0 0	16.7	48.5
)43)44	Templelyon Lower Rahaval	Wicklow Wicklow	0	0	0	0	0	0	0	0	0.0 0.0	45.5 39.4
947	Russellswood	Kildare	0	0	0	0	1	0	1	0	8.3	45.5
948	Rahin Wood (Kildare)	Kildare	0	0	0	1	0	0	1	0	8.3	66.7
951	Kilcarra West	Wicklow	1	0	0	1	0	0	2	0	16.7	75.8
952	Avondale	Wicklow	0	0	0	0	0	0	0	0	0.0	42.4
955	Graigue	Wicklow	0	0	0	1	0	0	1	0	8.3	39.4
956	Fiddancoyle	Wicklow	0	0	1	0	0	0	1	0	8.3	48.5
961 963	Knockloe Killinthomas Wood	Wicklow Kildare	0 0	2 1	0 0	0 3	1 1	0 0	3 5	0 0	25.0 41.7	30.3 48.5
966	Ballymore Eustace	Kildare	2	0	2	1	0	0	5	0	41.7	33.3
967	Mullaghreelan Wood	Kildare	1	1	1	2	Ő	0	5	0	41.7	27.3
968	Drehid Wood	Kildare	0	1	0	0	0	0	1	0	8.3	51.5
970	Pluckerstown	Kildare	0	1	0	1	0	0	2	0	16.7	33.3
971	Derryvullagh Island	Kildare	0	1	0	0	0	0	1	0	8.3	45.5
974	Moods	Kildare	0	1	0	0	0	1	2	0	16.7	33.3
975 978	Royal Oak Pollardstown Wood	Kildare	1 0	1 0	0 0	1 0	0 0	0 0	3 0	0 0	25.0 0.0	45.5 39.4
981	Newbridge School Wood	Kildare Kildare	2	1	1	0	1	0	5	0	41.7	39.4
982	Greatconnell	Kildare	0	0	0	1	0	Ő	1	0 0	8.3	51.5
984	Coolbeg	Wicklow	0	0	0	0	0	0	0	0	0.0	45.5
987	High Park Upper	Wicklow	2	0	0	1	0	0	3	0	25.0	45.5
988	Manger Wood	Wicklow	1	1	0	0	0	0	2	0	16.7	48.5
990	Kilmullin	Wicklow	1	0	1	0	0	0	2	0	16.7	36.4
)92)94	Money Coolinarria Lower	Wicklow Wicklow	0 1	0 0	0 0	2 1	0 0	0 0	2 2	0 0	16.7 16.7	42.4 36.4
994 996	Coolinarrig Lower Carrigeenduff	Wicklow	0	0	0	0	0	0	2	0	0.0	36.4 54.5
999	Tithewer	Wicklow	1	0	0	0	0	0	1	0	8.3	45.5
001	Glendarragh	Wicklow	1	0	0	0	0	0	1	0	8.3	45.5
003	Castletown	Kildare	0	1	0	0	0	0	1	0	8.3	51.5
004	Ballycullane	Kildare	0	1	0	1	0	0	2	0	16.7	30.3
005	Foxhill	Kildare	0	1	0	0	0	0	1	0	8.3	36.4
006 007	Kildangan Mitchels Wood	Kildare Kildare	1 2	1 1	0 0	0 1	0 0	0 0	2 4	0 0	16.7 33.3	45.5 63.6
007	Martinstown	Kildare	2	0	0	1	0	0	4	0	33.3 16.7	63.6 60.6
010	Derrylea Large	Kildare	0	0	0	0	0	0	0	0	0.0	51.5
011	Derrylea Small	Kildare	0	1	1	0	0	0	2	0	16.7	33.3
014	Donode Big	Kildare	0	0	0	0	0	0	0	0	0.0	33.3
017	Maguire's Wood	Kildare	2	1	0	0	0	0	3	0	25.0	39.4
018	Laragh Demesne	Kildare	2	1	2	0	0	0	5	0	41.7	21.2
020	Kilmore (Kildare)	Kildare	1	1	0	0 1	0	0	2 5	0	16.7	24.2
1021 1022	Bertbridge Knocknacree Wood	Kildare Kildare	1 0	3 2	0 0	1 0	0 0	0 0	5 2	0 0	41.7 16.7	33.3 48.5
022	Burtonhall Demense	Kildare	0	0	0	0	0	0	2	0	0.0	39.4
1024	Moone Woodlands	Kildare	0	1	0	1	0	0	2	0	16.7	51.5
	Moone Park	Kildare	0	0	1	0	0	0	1	0	8.3	21.2
1025	Woono r ant		-	-	-	-	•	0		•	0.0	21.2

							ar	anopy Standin		duees		
				-9	Nonnati 2	Danagir	atio. ities	6	dam	80 ⁶		^{100,0}
				Grating		ve rege.	P. activities	mopy	dead	Missing	Values ,Threat Sco	ie wator
			Nasiv	Grating	ninati	magir	otic	andin	, ore	issing	Threat	Conser
		Max. score	1 ¹¹ 2	ۍ ع	4 ⁰ 2	\$° 3	СТ 1	5 ¹⁰ 1	69 12	WIL	∘\° 100.0	°∾ 100.0
Site No.	Woodland Name	County										
1028 1033	Burton Little Crappagh	Kildare Monaghan	1 0	1	1 0	0 0	0 0	0 0	3 1	0 0	25.0 8.3	39.4 33.3
1037	Comertagh	Monaghan	0	0	1	0	0	0	1	0	8.3	51.5
042	Barrymore North	Roscommon	0	0	0	0	0	0	0	0	0.0	72.7
043 046	Barry More Shore	Roscommon	0 0	2 1	0 0	0 0	0 0	0 0	2 1	0 0	16.7 8.3	69.7 48.5
046	Faws Harristown (Roscommon)	Roscommon Roscommon	0	1	0	0	0	0	1	0	8.3	46.5 51.5
048	Gray's Wood	Roscommon	2	1	0	0	0	0	3	0	25.0	42.4
050	Willsgrove	Roscommon	2	0	0	0	0	0	2	0	16.7	63.6
052	Cloonageeragh	Roscommon	0	1	0	0	0	0	1	0	8.3	51.5
053 054	Mountdillon Carrowroe	Roscommon Roscommon	0 1	0 0	0 0	0 0	0 0	0 0	0 1	0 0	0.0 8.3	45.5 51.5
054	Faltia	Roscommon	0	0	1	0	0	0	1	0	8.3	45.5
058	Johnstown Demesne	Roscommon	0	0	0	0	0	0	0	0	0.0	27.3
059	Mount Talbot South	Roscommon	0	0	0	0	0	0	0	0	0.0	63.6
060	Carrownalogh	Roscommon	0	0	0	0	0	0	0	0	0.0	54.5
061 063	Cornaseer The Glen	Roscommon	0 0	1 0	0 0	0 0	0 0	0 0	1 0	0 0	8.3 0.0	63.6 54.5
063	Capragh Lough	Monaghan Monaghan	1	0	0	0	0	0	1	0	8.3	54.5 48.5
076	Scragh Bog	Westmeath	2	1	2	1	Ő	0	6	0	50.0	57.6
078	Lough Owel Wood	Westmeath	2	1	0	0	0	0	3	0	25.0	54.5
079	Ballynafid	Westmeath	2	1	2	0	0	0	5	0	41.7	66.7
081	Lough Ennell Wood	Westmeath	0	1 0	1	0 0	0 0	0	2	0 0	16.7	54.5
084 085	Gaybrook Demense Clonsingle	Westmeath Westmeath	2 2	1	2	0	0	0	3 5	0	25.0 41.7	63.6 54.5
086	Meehan Wood	Westmeath	0	0	0	0	0 0	0	0	0 0	0.0	69.7
087	Lissakillen North	Westmeath	1	1	0	1	0	0	3	0	25.0	51.5
088	Whinning Wood	Westmeath	1	1	0	1	0	0	3	0	25.0	72.7
090	Creaghduff	Westmeath	0	0 1	0	0	0	0	0	0	0.0	66.7
093 094	Joanstown Wood Baronstown Demense	Westmeath Westmeath	0 0	1	0 0	1	0 0	0 0	2 2	0 0	16.7 16.7	42.4 48.5
095	Lough Iron Wood	Westmeath	1	1	Ő	0	0 0	0	2	0 0	16.7	57.6
096	Tristernagh Demense	Westmeath	0	1	0	0	0	0	1	0	8.3	36.4
097	Knockeyon Wood	Westmeath	0	0	0	0	0	0	0	0	0.0	66.7
098	Gartlandstown Wood	Westmeath	0	1	0	0 0	0	0	1	0	8.3	72.7
099 100	Kiltoom Donore	Westmeath Westmeath	1 0	1 0	0 1	0	0 0	0 0	2 1	0 0	16.7 8.3	54.5 54.5
101	Lackan Wood	Westmeath	0	1	0	1	0	0	2	0	16.7	51.5
102	Kiltober Esker	Westmeath	0	1	0	0	0	0	1	0	8.3	66.7
103	Longhill Esker	Westmeath	0	0	0	0	0	0	0	0	0.0	63.6
104	Ballymacmorris Wood	Westmeath	1	1	0	0	0	0	2	0	16.7	57.6
105 106	Higginstown Wood Bracklin Wood	Westmeath Westmeath	0	0	0	0 0	0	0	0 2	0	0.0 16.7	51.5 72.7
107	Ballyhealy (Westmeath)	Westmeath	0	1	1	1	0	0	3	0	25.0	48.5
108	Tonlemony Wood	Westmeath	0	1	0	0	0	0	1	0	8.3	48.5
109	Corr Wood	Westmeath	2	1	0	0	0	0	3	0	25.0	57.6
110	Cavestown	Westmeath	1	2	0	2	0	0	5	0	41.7	72.7
111 112	Lough Slevin's Wood Kinturk Demense	Westmeath Westmeath	2 1	2 1	0 0	2 1	0 0	0 0	6 3	0 0	50.0 25.0	75.8 54.5
112	Carnpark	Westmeath	1	1	1	1	0	0	4	0	33.3	57.6
115	Caran Wood	Westmeath	0	1	1	1	0	0	3	0	25.0	27.3
116	Cornacuask	Westmeath	2	1	2	0	0	0	5	0	41.7	45.5
117	Ballykildevin	Westmeath	1	1	0	0	0	0	2	0	16.7	42.4
118 119	Clothes Rock Wood Mount Talbot North	Roscommon Roscommon	2 0	1 0	1 0	1 1	0 0	0 0	5 1	0 0	41.7 8.3	45.5 42.4
120	Cloonmore	Roscommon	0	1	0	0	0	0	1	0	8.3	42.4 54.5
121	Lecarrow	Roscommon	0	0	0	0	0	0	0	0	0.0	51.5
124	Ardan Wood	Westmeath	0	1	0	0	0	0	1	0	8.3	51.5
125	Barbavilla Demense	Westmeath	2	0	2	0	0	0	4	0	33.3	69.7
127 128	Pakenhamhall Tullynally	Westmeath Westmeath	0 0	1 0	0 0	1 0	0 0	0 0	2 0	0 0	16.7 0.0	42.4 27.3
128	Reynella	Westmeath	1	0	0	0	0	0	1	0	8.3	27.3 33.3
132	Reynella Lough	Westmeath	2	1	0	0	1	0	4	0	33.3	36.4
133	Ballyowen	Westmeath	0	2	0	1	1	0	4	0	33.3	33.3
141	Clonybane	Westmeath	1	0	0	0	0	0	1	0	8.3	36.4
1143 1145	Knockasha Wood Gortnafada	Westmeath Westmeath	0 0	1 0	0 0	0 1	0 0	0 0	1 1	0 0	8.3 8.3	42.4 39.4
	A MULICICICIC AND A MULICICAL	wesimean			0		0					

							ar.	anopy Sanding		ad trees		
				-9		Damagh 3	atio. ities	6	dan	180 ⁶		¹⁰ 00
				species Grating		we rege	ng activities	anopy	dead	Missing	Values o, Theat Sco	e watio
			Vasive	Grating	ninat	it amagi	otic	andini	s _ote	issin	Threat	Conse
		Max. score	1 ¹¹ 2	ۍ ع	N ⁰ 2	0° 3	СТ 1	5 ¹⁰ 1	5 ⁰ 12	MI	∘\° 100.0	°\° 100.0
Site No.	Woodland Name	County										
147 148	Coolalough Glassavullaun	Westmeath Dublin	0 0	0 1	1 0	0 0	0 0	0 0	1 1	0 0	8.3 8.3	42.4 33.3
149	Lough Crew	Meath	0	0	0	0	0	0	0	0	0.0	39.4
150	Collon North	Louth	2	2	1	0	0	0	5	0	41.7	63.6
151	Phoenix Park	Dublin	0	3	0	0	0	0	3	0	25.0	39.4
152	Abbotstown	Dublin	2	1	1	0	1	0	5	0	41.7	45.5
153 154	Tankardstown South Gartinadress	Meath Cavan	0 0	0 1	0 1	0 0	1 0	0 0	1 2	0 0	8.3 16.7	30.3 30.3
155	Aghyrassy	Westmeath	0	2	0	0	0	0	2	0	16.7	72.7
156	Flagpole Lough Shore	Monaghan	2	0	0	0	0	0	2	0	16.7	51.5
157	Skeagh Headland	Cavan	2	1	0	0	1	0	4	0	33.3	45.5
158	Killyconigan	Monaghan	1	1	2	0	0	0	4	0	33.3	48.5
159	Barmeath Castle Hill	Louth	2	1	0	0	1	0	4	0	33.3	42.4
160 161	Porteen Wood Derrycassan	Roscommon Cavan	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.0 0.0	45.5 54.5
162	Mullaghmacateer	Monaghan	0	3	0	1	0	0	4	0	33.3	18.2
163	Killycramph Wood Shoreline	Cavan	1	0	0	0	0	0	1	0	8.3	51.5
164	Newtown	Cavan	0	0	0	0	0	0	0	0	0.0	51.5
166	Newtownlow Esker Woodland	Westmeath	0	0	0	1	0	0	1	0	8.3	69.7
167	Coolinarig	Wicklow	0	3	0	1	0	0	4	0	33.3	45.5
168	Rathshane The Quill Woods	Westmeath Wicklow	1 0	2 0	0 0	1 0	0 0	0 0	4	0 0	33.3 0.0	30.3
169 170	Bellamont Forest Centre	Cavan	2	0	0	0	0	0	0 2	0	0.0 16.7	54.5 42.4
171	Derrysheridan South Shore	Meath	0	1	0	0	0	0	1	0	8.3	45.5
172	Derrysheridan North Shore	Meath	0	0	0	0	0	0	0	0	0.0	54.5
173	Capragh Lough South	Monaghan	0	0	0	0	0	0	0	0	0.0	42.4
174	Annies Bog	Monaghan	0	0	0	0	0	0	0	0	0.0	36.4
175	Coolnacarte Plantation	Monaghan	2	0	0	1	0	0	3	0	25.0	33.3
176	The Downs Wood	Monaghan	2	0	1	1	0	0	4	0	33.3	54.5
177 178	Lough Fea Lake Derrylavan	Monaghan Monaghan	2 2	1 0	0 0	0 0	0 0	0 0	3 2	0 0	25.0 16.7	69.7 54.5
179	Stickillin	Louth	0	0	0	0	0	0	0	0	0.0	39.4
190	Shelton	Wicklow	0	0	0	0	0	0	0	0	0.0	48.5
191	Allenwood North	Kildare	1	1	0	0	0	0	2	0	16.7	48.5
193	Carrick	Kildare	0	1	0	0	0	0	1	0	8.3	42.4
194	Kilcooney River Wood	Kildare	1	0	0	1	0	0	2	0	16.7	33.3
196	Loughnacush	Kildare	0	0	0	0	0	0	0	0	0.0	54.5
198 199	Heritage Park Wood Ballindoolin	Kildare Kildare	0 2	1 1	0 0	0 2	0 0	0 0	1 5	0 0	8.3 41.7	45.5 45.5
200	Leopardstown Woods	Dublin	2	1	1	2	0	0	6	0	50.0	33.3
201	Clongowes College Wood	Kildare	0	0	1	0	1	0	2	0	16.7	45.5
205	Rickardstown North	Westmeath	2	1	1	0	0	0	4	0	33.3	36.4
206	Rickardstown South	Westmeath	0	1	0	1	0	0	2	0	16.7	39.4
207	Clonyn	Westmeath	0	1	0	0	0	0	1	0	8.3	48.5
209 210	Cooksborough Kilcleagh	Westmeath Westmeath	0 2	1 1	0 1	1	0 1	0 0	2 6	0 0	16.7 50.0	51.5 48.5
210	Bolinarra Bog Wood	Westmeath	2	0	0	0	0	0	0	0	0.0	46.5 48.5
212	Killachonna	Westmeath	0	1	0	0	0	0	1	0	8.3	39.4
213	Auburn	Westmeath	1	1	1	0	0	0	3	0	25.0	57.6
215	Allenwood Road Wood	Kildare	1	0	0	0	0	0	1	0	8.3	45.5
216	Ballindoolin Bog Wood	Kildare	0	1	0	1	0	0	2	0	16.7	33.3
217	Knockcor Wood	Kildare	2 1	1	0	0 0	0 1	0	3 2	0	25.0	51.5
218 219	Plan Wood Knockagh	Meath Louth	1	0 0	0 0	0	1 0	0 0	2	0 0	16.7 0.0	39.4 36.4
219	Kilnahard	Cavan	0	0	0	0	0	0	0	0	0.0	48.5
221	Sruveel	Monaghan	Ő	0	Ő	1	0	Ő	1	0	8.3	48.5
222	Lannat	Louth	0	1	0	1	0	0	2	0	16.7	45.5
224	Oghill	Cavan	0	0	0	0	0	0	0	0	0.0	33.3
227	Stormanstown Bog	Louth	0	1	1	0	0	0	2	0	16.7	42.4
228	Carrickynaghtan	Roscommon	0	1	0	1	0	0	2	0	16.7	36.4
229	Taylorstown	Roscommon	0	1	0	1	0 0	0 0	2	0	16.7	33.3
230 231	Barrymore Thomastown Demense	Roscommon Roscommon	0 0	1 0	0 1	1	0	0	2 2	0 0	16.7 16.7	42.4 51.5
233	Drumalagagh	Roscommon	0	2	0	1	0	0	2	0	25.0	57.6
234	Coosan Point Hazel Wood	Westmeath	0	2	0	0	0	0	2	0	16.7	69.7
235	Killinure North	Westmeath	0	1	0	0	0	0	1	0	8.3	57.6
1233 1237 1238	St. Catherine's Wood Money Lower	Dublin Wicklow	2 0	1 0	0	0 0	0 0	0	3 0	0 0	25.0 0.0	66.7 45.5

	Species Grating
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			ju ^r	sper	, at	we re- di	^{N9 801}	anop, tin	Joeo	e	value real Sci	nservali
			Invasi	Species Grating	Nonit	Damaz	ng activitie	Stand	Scote	Missing	Values olyThreat Sec	°/° CO.
Site No.	Woodland Name	Max. score County	2	3	2	3	1	1	12		100.0	100.0
239	Money East	Wicklow	1	0	0	0	0	0	1	0	8.3	39.4
240 241	Ballymarroge Rosahane	Wicklow Wicklow	1 0	0 0	0 0	1 0	0 0	0 0	2 0	0 0	16.7 0.0	54.5 42.4
241	Carrickobreen River Wood	Westmeath	0	0	0	0	0	0	0	0	0.0	33.3
243	Carrickobreen Bog Wood	Westmeath	0	1	0	1	0	0	2	0	16.7	36.4
250	Shurock Wood	Westmeath	0	0	0	1	0	0	1	0	8.3	30.3
251	Corduff East	Cavan	0	1	0	0	0	0	1	0	8.3	39.4
252 253	Corduff West Ongenstown	Cavan Meath	0 0	1 0	0 0	0 0	0 0	0 0	1 0	0 0	8.3 0.0	42.4 36.4
253 254	Dowdstown	Meath	0	3	1	0	0	0	4	0	33.3	15.2
255	Ongenstown West	Meath	0	2	1	0	0	0	3	0	25.0	36.4
258	Lismullin	Meath	1	0	2	0	1	0	4	0	33.3	39.4
259	Blackcastle Demesne	Meath	2	0	1	1	1	0	5	0	41.7	33.3
260	Collon Northwest	Louth	0	3	0	0	0	0	3	0	25.0	48.5
261 262	Derredis Upper Ballinrink	Cavan Meath	0 0	0 0	0 0	0 0	0 1	0 0	0 1	0 0	0.0 8.3	60.6 27.3
262 263	Ballinrink Tubbrid (Meath)	Meath	0	0	0	0	1	0	1	0	8.3 0.0	27.3 39.4
264	Halfcartron	Meath	2	0	2	1	1	0	6	0	50.0	39.4
265	Collon Wood	Louth	1	3	0	1	0	0	5	0	41.7	39.4
266	Bellews Hill	Louth	0	0	2	1	0	0	3	0	25.0	36.4
270	Rossacroonaloo	Kerry	0	0	0	0	0	0	0	0	0.0	69.7
272	Darrynane More	Kerry	2	0	0	0	0	0	2	0	16.7	69.7
273 275	Uragh Wood Kilgarvan Wood	Kerry Kerry	0 1	0 0	0 0	0 1	0 0	0 0	0 2	0 0	0.0 16.7	81.8 87.9
277	Lyranes Lower Wood	Kerry	1	1	0	0	0	0	2	0	16.7	81.8
279	Dromore Old	Kerry	1	0	1	1	0	0	3	0	25.0	75.8
280	Lehid Wood	Kerry	1	0	0	1	0	0	2	0	16.7	69.7
281	Glenstal Wood	Limerick	2	1	0	0	0	0	3	0	25.0	66.7
284	Gortnageragh River Valley	Limerick	1	0	0	1	0	0	2	0	16.7	69.7
286	Clare Glen	Limerick	2	0	0	0	0	0	2	0	16.7	81.8
287 288	Caher Wood Game Wood	Kerry Kerry	0 2	0 0	0 0	0 1	0 0	0 0	0 3	0 0	0.0 25.0	48.5 66.7
289	Tomies Wood	Kerry	1	3	0	0	0	0	4	0	33.3	69.7
290	Derrycunihy Wood	Kerry	1	3	0	0	0	0	4	0	33.3	75.8
291	Reenadinna Wood	Kerry	2	2	0	0	0	0	4	0	33.3	78.8
292	Looscaunagh Wood	Kerry	1	0	0	0	0	0	1	0	8.3	72.7
293	Glen Bog	Limerick	0	1	0	0	0	0	1	0	8.3	45.5
294	Toryhill	Limerick	0 1	0 1	0 0	0 2	0 0	0	0	0 0	0.0	60.6
295 296	Glencurrane Graigue Wood	Limerick Limerick	2	1	1	0	0	0 0	4 4	0	33.3 33.3	66.7 66.7
297	Mountrussell Wood	Limerick	0	0	0	0	Ő	Ő	0	0 0	0.0	69.7
298	Knockanes	Limerick	1	1	1	1	0	0	4	0	33.3	51.5
299	Gortigrenane	Cork	2	1	0	0	0	0	3	0	25.0	57.6
300	Coolymurraghue	Cork	1	1	0	0	0	0	2	0	16.7	60.6
301	Knockomagh Wood	Cork	1	1	1	0	0	0	3	0	25.0	57.6
302 305	Prohus Manch East	Cork Cork	0 1	1	0 0	0 0	0 1	0 0	1 3	0 0	8.3 25.0	63.6 54.5
305 306	Manch East Milleenanannig	Cork	1	1	0	0	0	0	3	0	25.0 16.7	54.5 60.6
307	East Wood	Cork	2	1	0	1	0 0	0	4	0	33.3	51.5
308	St Gobnet's Wood	Cork	2	0	0	0	0	0	2	0	16.7	63.6
310	Garrycloyne Wood	Cork	2	2	1	1	0	0	6	0	50.0	69.7
311	Coolatanavally	Cork	0	0	0	1	0	0	1	0	8.3	45.5
312	Cloghphilip Wood	Cork	0	1	0 0	0 3	0 0	0 0	1 6	0 0	8.3 50.0	69.7 54.5
313 314	Pigeon Wood Toon Valley	Cork Cork	2 0	0	0	0	0	0	ь 0	0	50.0 0.0	54.5 81.8
315	Coolyduff	Cork	1	1	1	2	0	0	5	0	41.7	75.8
316	Glengarriff	Cork	1	0	0	0	0	0	1	0	8.3	87.9
317	The Gearagh	Cork	1	0	0	0	0	0	1	0	8.3	84.8
321	Castlebernard	Cork	1	0	0	1	0	0	2	0	16.7	63.6
322	Ballyedmond	Cork	2	0	0	0	1	0	3	0	25.0	63.6
323	Cleanderry Wood	Cork	1	0	0	2	0	0	3	0	25.0	72.7
324 325	Glenbeg Dunbeacon	Cork Cork	0 1	2 1	0 0	0 0	0 0	0 0	2 2	0 0	16.7 16.7	60.6 48.5
325 326	Ballyhallagh	Cork	0	1	0	0	0	0	2	0	8.3	48.5 51.5
327	Ardglass	Cork	Ő	0	0	0	0	0	0	0	0.0	60.6
329	Barrees	Cork	1	0	0	1	0	0	2	0	16.7	78.8
	Dellyannan	Cork	•					-	-		05.0	45.5
330 332	Ballyannan Cloheen Strand Intake	Cork	0 0	1 1	0 0	1 0	1 0	0 0	3 1	0 0	25.0 8.3	45.5 30.3

Inteshe species Normaline personation scotte specific scote Missing of Theat scote of conservation scote

			111125	Grain	Hou	Dann	EXOL	Stan	5COV	Miss	o/o	°% C0
		Max. score	2	3	2	3	1	1	12	v	100.0	100.0
Site No.	Woodland Name	County										
1334	Priory Wood	Cork	0	1	0	2	0	0	3	0	25.0	66.7
335	Rochestown Wood	Cork	0	2	0	0	0	0	2	0	16.7	45.5
336	Curraghbinny Wood	Cork	2	1	0	0	0	0	3	0	25.0	54.5
337	Modeligo Wood	Cork	1	0	1	3	0	0	5	0	41.7	33.3
338	Derrylahan	Cork	0	0	0	1	0	0	1	0	8.3	63.6
339	Kilnagurteen	Cork	0	0	0	0	0	0	0	0	0.0	66.7
340	Curraghmore Wood	Cork	1	0	0	0	0	0	1	0	8.3	63.6
342	Lougheagle	Cork	0	0	0	0	0	1	1	0	8.3	42.4
343	Banteer	Cork	0	1	0	1	0	0	2	0	16.7	51.5
344	Blarney Castle Woods	Cork	2	0	1	0	0	0	3	0	25.0	51.5
345	Glashgariff River	Cork	0	0	0	0	0	0	0	0	0.0	57.6
347	Killaneer	Cork	1	0	0	1	0	0	2	0	16.7	72.7
348	Glebe	Cork	0	1	0	0	0	0	1	0	8.3	54.5
349	Carrignacurra	Cork	0	1	0	0	0	0	1	0	8.3	57.6
1351	Creggane	Cork	0	1	0	1	1	0	3	0	25.0	15.2
1353	Renny Lower	Cork	1	1	1	1	1	0	5	0	41.7	39.4
354	Glenville	Cork	0	0	0	0	0	0	0	0	0.0	57.6
355	Philip's Wood	Cork	2	0	0	0	0	0	2	0	16.7	57.6
1356	Knockardsharriv	Cork	1	1	Ő	2	0 0	0	4	0 0	33.3	75.8
357	Cooldurragha	Cork	0	0	1	0	Ő	0 0	1	Ő	8.3	57.6
358	Roughfield Wood	Cork	1	0	1	Ő	0	0	2	0	16.7	66.7
359	Coolmoohan Wood	Cork	0	0	0	1	0	0	1	0	8.3	54.5
1360	Rathmore Wood	Cork	1	1	0	1	0	0	3	0	25.0	63.6
					1	0	0			0		
361	Cloheena Wood	Cork	0	2				0	3		25.0	75.8
363	Wet Wood Cork	Cork	0	0	0	0	0	0	0	0	0.0	51.5
364	Corbally South	Cork	0	1	0	0	0	0	1	0	8.3	51.5
365	Glencam	Cork	0	0	0	1	0	0	1	0	8.3	63.6
367	Lahardane More	Cork	1	1	0	0	0	0	2	0	16.7	48.5
370	Inishbeg	Cork	1	1	1	0	0	0	3	0	25.0	45.5
371	Bridge Wood	Cork	1	1	2	0	1	0	5	0	41.7	42.4
372	Curradonohoe	Cork	0	2	0	1	0	0	3	0	25.0	57.6
374	Aghabeg	Cork	1	0	0	0	0	0	1	0	8.3	54.5
1375	Leahill	Cork	1	0	0	0	0	0	1	0	8.3	63.6
1379	Curragh East	Cork	0	1	0	0	0	0	1	0	8.3	57.6
1381	Drombrow Lake	Cork	2	1	0	0	0	0	3	0	25.0	48.5
382	Derreennacusha	Cork	0	2	0	0	0	0	2	0	16.7	42.4
1383	Dromore	Cork	0	0	0	0	0	0	0	0	0.0	57.6
1386	Dromasta	Cork	1	0	0	0	0	0	1	0	8.3	66.7
1388	Carrigskullihy	Cork	2	2	0	0	0	0	4	0	33.3	39.4
1389	Carrigskullihy Wood	Cork	1	0	0	1	0	0	2	0	16.7	66.7
1390	Farnanes Wood	Cork	2	0	0	1	0	0	3	0	25.0	72.7
1391	Dreenwanish Wood	Cork	0	0	0	0	0	0	0	0	0.0	69.7
1393	Derryvacorneen East	Cork	0	3	0	0	0	0	3	0	25.0	51.5
394	Inchideraille	Cork	0	0	Ő	0	0 0	0	0	0 0	0.0	57.6
1395	Curracahill	Cork	0	0	Ő	0	Ő	0 0	0	Ő	0.0	63.6
396	Gneeves	Cork	0	2	0	Ő	0	0	2	0	16.7	60.6
399	Inchileigh	Cork	0	2	0	0	1	0	1	0	8.3	54.5
400	Cullentra Wood	Sligo	1	2	0	1	0	0	4	0	33.3	78.8
400	Union Wood		2	2	0	0	0	0	4	0	33.3 16.7	78.8 57.6
		Sligo			0	0	0	0				57.0 69.1
403	Mountain Wood	Sligo	2	0		0	Ũ		2	0	16.7	
404	Clogher (Sligo)	Sligo	1	1	0		0	0	2	0	16.7	69.
405	Kilbrattan Wood	Sligo	2	1	1	0	0	0	4	0	33.3	72.
408	Cleaveragh Demesne	Sligo	2	1	0	1	0	0	4	0	33.3	66.
409	Hazelwood Demesne	Sligo	2	1	1	0	0	0	4	0	33.3	78.8
410	Tanrego	Sligo	1	1	0	0	0	0	2	0	16.7	63.
411	Slishwood	Sligo	2	0	0	0	0	0	2	0	16.7	60.
412	Clogh Wood	Sligo	1	0	0	1	0	0	2	0	16.7	72.
413	Drumfad	Sligo	1	3	0	0	0	0	4	0	33.3	48.
417	Sroove	Sligo	0	1	0	0	0	0	1	0	8.3	57.
418	Correagh	Sligo	1	0	0	0	0	0	1	0	8.3	39.4
419	Derkmore Wood	Donegal	0	3	0	0	0	0	3	0	25.0	54.
420	Rathmullan Wood	Donegal	1	0	0	0	0	0	1	0	8.3	84.
421	Duntally Wood	Donegal	1	0	Ő	0	Ő	Ő	1	Ő	8.3	69.
422	Ballyarr Wood	Donegal	0	0	0	1	0	0	1	0	8.3	87.9
422	Mullangore Wood	Donegal	2	0	0	0	0	0	2	0	16.7	69.
		•				0						
424	Derry Beg Derrylahan North	Donegal	1	0	0	0	0	0	1	0	8.3	48.
		Donegal	1	0	0	U	0	0	1	0	8.3	39.4
1426	Denyianan tertin											

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species Grating
Grating

							~	sanopy Sanding		d trees		
						Damagi 3	ation de la contraction de la	•	am	298°		** Conservation =00
				species Grating		regen	ng activitie	00H	dead/de	Missing	Values	le vation
			Sive	Grating	nat	INE 280	n ⁹ 100	anding	» رو	aing	No meat	onserv
			Invor	Gran	Non	Daur	Etor	Stati	Sco.	Miss	o/o	°/°
Site No.	Woodland Name	Max. score County	2	3	2	3	1	1	12		100.0	100.0
1428	Lougheask Demesne	Donegal	2	1	1	0	0	0	4	0	33.3	84.8
1429 1430	Cottian Wood Salt Pans	Donegal Donegal	0 1	0 0	0 0	2 0	0 0	0 0	2 1	0 0	16.7 8.3	84.8 84.8
1432	Foxhall	Donegal	2	0	0	1	0	0	3	0	25.0	81.8
1433	Glenineeny	Donegal	0	0	0	2	0	0	2	0	16.7	78.8
1434 1435	Ballynarry Doon Glebe	Donegal Donegal	0 1	0 0	0 0	1	0 0	0 0	1 2	0 0	8.3 16.7	81.8 75.8
1436	Keeloges	Donegal	0	0	0	1	0	0	1	0	8.3	84.8
1438	Muff (Donegal)	Donegal	1	1	0	1	0	0	3	0	25.0	69.7
1439 1440	Ards Forest Park	Donegal	2 0	0 2	1 1	0 1	0 0	0 0	3 4	0 0	25.0 33.3	90.9 57.6
1440	Dunwiley Carndonagh	Donegal Donegal	0	2	0	0	0	0	4	0	0.0	66.7
1442	Glennagiveny	Donegal	0	0	0	1	0	0	1	0	8.3	54.5
1447	Portlough	Donegal	0	1	0	0	0	0	1	0	8.3	42.4
1448 1449	Bohullion Lower Feddyglass Wood	Donegal Donegal	0 1	3 0	0 0	0 2	0 0	0 0	3 3	0 0	25.0 25.0	66.7 51.5
1455	Oughtnadrin	Donegal	0	0	0	2	0	0	2	0	16.7	72.7
1456	Carrickbreeny	Donegal	0	0	0	0	0	0	0	0	0.0	72.7
1459	Aghaneenagh Kilmeen Wood	Cork	0	0	0	0 0	0	0	0	0	0.0	78.8
1460 1463	Dunmarklun	Cork Cork	0 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0.0 0.0	48.5 66.7
1464	Kilcanway	Cork	2	1	2	0	0	0	5	0	41.7	51.5
1465	Duvglasha	Cork	0	0	0	0	0	0	0	0	0.0	54.5
1466 1468	Kilmichael Bingnangan Wood	Cork Cork	1	1	0 1	0 1	0 1	0 0	2 5	0 0	16.7 41.7	60.6 48.5
1400	Ringnanean Wood Garranes	Cork	1	1	0	1	0	0	3	0	25.0	48.5 66.7
1472	Ballinphellic	Cork	0	1	1	0	0	0	2	0	16.7	63.6
1473	Templemichael	Cork	0	0	0	0	0	0	0	0	0.0	72.7
1476 1479	Lackenacummeen Courtmacsherry	Cork Cork	0 1	0 0	0 0	1	0 1	0 0	1 3	0 0	8.3 25.0	45.5 42.4
1481	Ummera Wood	Cork	1	1	1	1	1	0	5	0	41.7	66.7
1482	Tubbrid (Cork)	Cork	0	1	0	0	0	0	1	0	8.3	51.5
1483	Knocknamallavoge	Cork	0	1	0	1 0	0	0	2	0	16.7	51.5
1484 1485	Ballyclogh Glenbower Wood	Cork Cork	2 1	0 1	0 0	0	0 0	0 0	2 2	0 0	16.7 16.7	30.3 51.5
1486	Drinshane Beg	Cork	0	0	0	2	0	0	2	0	16.7	60.6
1488	Scartbarry	Cork	2	0	0	0	0	0	2	0	16.7	66.7
1489 1490	Ballyduhig North Lisdangan	Cork Cork	0 0	1 0	1 0	1 0	0 0	0 0	3 0	0 0	25.0 0.0	51.5 66.7
1491	French Wood	Cork	2	1	0	1	0	0	4	0	33.3	84.8
1492	Lackendarragh South	Cork	0	1	0	0	0	0	1	0	8.3	45.5
1493	Glanatnaw Wood	Cork	0	0	0	1 0	0	0	1	0	8.3	42.4
1494 1495	Gortnascreeny Wood Camillan Wood	Cork Kerry	1	0 0	0 0	0	0 0	0 0	1 1	0 0	8.3 8.3	45.5 72.7
1496	Poulaphuca Wood	Sligo	1	1	0	0	0	0	2	0	16.7	63.6
1497	Bealkelly Woods	Clare	0	0	0	3	0	0	3	0	25.0	69.7
1498 1499	Drummin Wood Caher	Galway Clare	0 0	0 1	0 0	2 1	0 0	0 0	2 2	0 0	16.7 16.7	81.8 48.5
1500	Dromore Nature Reserve	Clare	0	0	0	1	1	0	2	0	16.7	84.8
1501	Moyree Wood	Clare	0	0	0	0	0	0	0	0	0.0	63.6
1502	Killeen Wood	Clare	0	2	0	0	0	0	2	0	16.7	57.6
1503 1504	Edenvale Wood Drummina	Clare Clare	1 0	1 0	0 0	0 1	1 0	0 0	3 1	0 0	25.0 8.3	60.6 60.6
1505	Tullyodea	Clare	0	2	0	1	0	0	3	0	25.0	60.6
1507	Bealnalicka	Clare	1	0	0	0	0	0	1	0	8.3	72.7
1508 1509	Cloggagh Wood Ardcarney	Clare Clare	0 0	0 1	0 0	0 1	0 0	0 0	0 2	0 0	0.0 16.7	75.8 72.7
1509	Ross	Clare	0	0	0	1	0	0	2	0	8.3	72.7
1511	Ballymacloon East	Clare	0	0	0	2	0	0	2	0	16.7	60.6
1512	Caher Rice	Clare	0	1	1	0	0	0	2	0	16.7	54.5
1513 1514	Cahircalla Wood Ballyconry	Clare Clare	1 0	0 0	0 0	0 0	0 0	0 0	1 0	0 0	8.3 0.0	69.7 36.4
1515	Garrannon Woods	Clare	0	1	0	0	0	0	1	0	8.3	81.8
1516	Craggaunowen	Clare	0	2	0	0	1	0	3	0	25.0	60.6
					•	0						
1519	Feagarroge	Clare	2	1	0	0	0	0	3	0	25.0	36.4
1519 1520 1522	Feagarroge Carrowdotia South Kilmore (Clare)	Clare Clare Clare	2 0 0	1 1 0	0 1 0	0 0	0 0 0	0 0 0	3 2 0	0 0 0	25.0 16.7 0.0	36.4 39.4 48.5

Site No.Woodland Name1534Muckinish

Gragan West

Slieve Carran

Boulleevin West

Bouleevin East

Ballyeighter

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	Investive	species	, and	Danaght	ation Bectivities Exolicos	nopy in	deaddan Scote	Nissing	values of Theat Ec	ye Ne
	Invasi	Grating	Non	Damas	EXOTIC	stano	SCOTE	Missin	oloThi	olo Cone
Max. score	2	3	2	3	1	1	12	v	100.0	100.
County										
Clare	0	1	0	0	0	0	1	0	8.3	3
Clare	1	1	1	0	0	0	3	0	25.0	5
Clare	0	2	0	0	0	0	2	0	16.7	3
Clare	0	0	0	0	0	0	0	0	0.0	6
Clare	0	0	0	0	0	0	0	0	0.0	3
Clare	0	0	0	1	0	0	1	0	8.3	З
Clare	0	0	0	0	0	0	0	0	0.0	3
Clare	0	0	0	1	0	0	1	0	8.3	5
Waterford	2	0	0	1	0	0	3	0	25.0	7
Waterford	1	1	0	2	1	0	5	0	41.7	5
Clare	1	0	0	0	0	0	1	0	8.3	3
Clare	2	1	0	0	0	0	3	0	25.0	5
Clare	0	0	0	0	0	0	0	0	0.0	8
Clare	0	0	1	0	0	0	1	0	8.3	7
Clare	0	0	0	0	0	0	0	0	0.0	8
Clare	0	0	0	0	0	0	0	0	0.0	5
Clare	0	1	0	0	0	0	1	0	8.3	5
Clare	2	1	1	0	0	0	4	0	33.3	6
Clare	1	1	0	1	1	0	4	0	33.3	e
Clare	0	1	0	0	0	0	1	0	8.3	3

1541	Clab	Clare	0	0	0	0	0	0	0	0	0.0	39.4
1542	Knockanira	Clare	0	0	0	1	0	0	1	0	8.3	54.5
1543	Glenmore Wood	Waterford	2	õ	0	1	0	õ	3	0 0	25.0	75.8
1545	Barranamanoge Wood	Waterford	1	1	0 0	2	1	õ	5	Ő	41.7	57.6
1547	Ballyogan Beg	Clare	1	0	0	0	0	0	1	0	8.3	39.4
1549	Cahiracon South	Clare	2	1	0	0	0	0	3	0	25.0	51.5
1552	Cahermurphy	Clare	0	0	0	0	0	0	0	0	0.0	81.8
1554	Knocknageeha	Clare	0	0	1	0	0	0	1	0	8.3	75.8
1555	Glenomra Wood	Clare	0	0	0	0	0	0	0	0	0.0	81.8
			0	0	0	0	0	0	0	0		
1559	Cregg	Clare				0					0.0	57.6
1560	Dooros	Clare	0	1	0	0	0	0	1	0	8.3	57.6
1561	Knockaphort	Clare	2	1	1		0	0	4	0	33.3	69.7
1562	Drummaan South	Clare	1	1	0	1	1	0	4	0	33.3	69.7
1563	Aughinish Wood	Clare	0	1	0	0	0	0	1	0	8.3	39.4
1564	Cappaghbaun Park	Clare	1	0	0	0	0	0	1	0	8.3	81.8
1567	Maryfort	Clare	2	1	1	0	0	0	4	0	33.3	75.8
1568	Leaghort	Clare	0	2	0	0	0	0	2	0	16.7	51.5
1569	Caherkinallia Wood	Clare	0	0	0	0	0	0	0	0	0.0	51.5
1571	Poulivaun Wood	Clare	0	0	1	0	0	0	1	0	8.3	51.5
1573	Ballymoloney Woods	Clare	0	0	0	0	0	0	0	0	0.0	39.4
1574	Ballygarreen	Clare	1	0	0	2	0	0	3	0	25.0	72.7
1575	Carrownakilly	Clare	0	0	0	0	0	0	0	0	0.0	54.5
1577	Doonass Demesne	Clare	1	1	1	1	0	0	4	0	33.3	45.5
1578	Ballymacdonnell	Clare	0	2	0	0	0	0	2	0	16.7	48.5
1579	Cullaun Woods	Clare	0	0	0	0	0	0	0	0	0.0	63.6
1580	Ballykelly Woods	Clare	0	0	0	0	0	0	0	0	0.0	66.7
1585	Cragbrien	Clare	0	0	0	2	0	0	2	0	16.7	54.5
1587	Derrymore Wood	Clare	0	2	0	1	0	0	3	0	25.0	69.7
1588	Derrygoul Wood	Clare	0	0	0	0	0	0	0	0	0.0	63.6
1591	Commons South	Clare	0	0	0	0	0	0	0	0	0.0	48.5
1594	Garryland Wood	Galway	2	0	0	1	0	0	3	0	25.0	93.9
1595	Ballynastaig Wood	Galway	0	0	0	0	0	0	0	0	0.0	69.7
1596	Normangrove	Galway	0	0	0	2	0	0	2	0	16.7	66.7
1597	Gortacarnaun	Galway	2	3	0	0	0	0	5	0	41.7	87.9
1599	Gortnahoon	Galway	0	0	0	0	0	0	0	0	0.0	63.6
1600	Shannawoneen Wood	Galway	0	0 0	0	1	0 0	Ő	1	0	8.3	87.9
1601	Derryclare	Galway	0	3	0	0	0	0	3	0	25.0	87.9
1602	Ballynahinch	Galway	2	0	1	0	0	Õ	3	0	25.0	66.7
1603	Killymonaun	Galway	0	õ	0	0	0	0	0	0	0.0	60.6
1605	Furbogh Wood	Galway	2	1	Ő	1	0	õ	4	Ő	33.3	69.7
1606	Ross Demense	Galway	0	1	1	0	0	õ	2	0 0	16.7	42.4
1608	Derrycrag Wood	Galway	1	0	0	0	1	õ	2	0	16.7	69.7
1609	Rosturra Wood	Galway	0	0	2	1	0	0	3	0	25.0	48.5
1610	Pollnaknockaun Wood	Galway	1	õ	1	0	0	õ	2	0 0	16.7	81.8
1612	Killaghmore	Galway	2	0	0	0	0	0	2	0	16.7	36.4
1614	Rinmaher Wood	Galway	0	0	0	0	0	0	0	0	0.0	66.7
1614	Garryduff	Galway	0	0	0	0	0	0	0	0	0.0	75.8
1617	-	•	0	1	0	0	0	0	1	0	8.3	36.4
	Brimnoge Island	Galway				2	0	0	4			
1618	Clonfert (Seymour) North	Galway	0 0	1 3	1 2	1	0	0	4	0 0	33.3 50.0	57.6
1619	Derryvunlam	Galway										63.6
1621	Limepark North	Galway	0	0	0	1	0	0	1	0	8.3	63.6
1622	Horse Shoe Wood	Galway	1	1	1	0	0	0	3	0	25.0	72.7
1624	Annaghwood	Galway	2	1	0	0	0	0	3	0	25.0	81.8
1625	Drumsnauv	Galway	0	2	0	0	0	0	2	0	16.7	54.5
1626	Lismore Woods	Waterford	2	0	0	1	1	0	4	0	33.3	87.9
1629	Clydagh	Galway	2	1	0	0	0	0	3	0	25.0	75.8
1630	Kilbeg Lower	Galway	0	1	1	0	0	0	2	0	16.7	78.8
1635	Ellis Wood	Galway	2	2	0	0	0	0	4	0	33.3	36.4
1636	Garbally Demesne	Galway	2	0	1	1	0	0	4	0	33.3	75.8
1642	Barna	Galway	0	1	0	1	0	0	2	0	16.7	39.4
1643	Dernasliggaun Wood	Galway	2	2	0	0	0	0	4	0	33.3	57.6
1646	Skehanagh	Galway	0	0	0	0	0	0	0	0	0.0	54.5

o, Conservation Score

39.4

51.5

39.4

60.6

39.4

36.4

100.0

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	spec
INVasiv	species Grating
v.	×.

								\$								
			hax. score 2 3 2 3 1 1 12									ad trees				
				105		nener	ativities	>	4 dam	89°	.9	^{100.0}				
				spec		N ^{e res} di	ng activ	anopy	Jdear		value. eat sec	, servati				
			Invasit	Species Grating	Non-nu	Damas	ng activities	Standt	Score	Missing	Values olo Threat Sec	°/° Cotr				
Site No.	Woodland Name	Max. score County	2	3	2	3	1	1	12		100.0	100.0				
1648	Barroughter	Galway	0	0	0	1	0	0	1	0	8.3	33.3				
649	Barranny	Galway	0	1	0	0	0	0	1	0	8.3	30.3				
1650 1653	Aghrane Ballyglooneen	Galway Galway	2 1	0 2	0 0	1 0	0 0	0 0	3 3	0 0	25.0 25.0	57.6 33.3				
655	Moy Beg	Clare	0	0	0	0	0	0	0	0	0.0	45.5				
656	Sylaun	Galway	1	1	0	1	0	0	3	0	25.0	39.4				
657	Cregballymore	Galway	1	0	1	2	0	0	4	0	33.3	72.7				
658	Toomard	Galway	0	0	0	2	0	0	2	0	16.7	48.5				
659 660	Marnellsgrove Abbert Demesne	Galway	2 0	0 2	0 0	1 0	0 0	0 0	3 2	0 0	25.0 16.7	45.5 57.6				
661	Gowla	Galway Galway	0	2	0	0	0	0	2	0	0.0	57.6 48.5				
664	Monivea Demesne	Galway	0	0	0	2	0	0	2	0	16.7	39.4				
665	Clooncah	Galway	0	0	0	0	0	0	0	0	0.0	75.8				
666	Raford	Galway	1	0	0	1	0	0	2	0	16.7	63.6				
668	Bog Wood	Galway	2	0	0	0	0	0	2	0	16.7	45.5				
669	Cuscarrick	Galway	2	1	1	1	0	0	5	0	41.7	54.5				
670	Stradbally Woods	Waterford	2	1	1	2	0	0	6	0	50.0	78.8				
671 672	Lavally Mountbellew Demesne	Galway Galway	0 0	2 1	0 1	1 0	0	0 0	3 2	0 0	25.0 16.7	66.7 39.4				
673	Glenribbeen Wood	Waterford	1	0	0	1	0	0	2	0	16.7	69.7				
674	Ardbear	Galway	1	0	0 0	0	Ő	0	1	Ő	8.3	75.8				
677	Conagher	Galway	0	0	0	0	0	0	0	0	0.0	54.5				
678	Ballyvoe	Clare	0	0	0	0	0	0	0	0	0.0	42.4				
681	Convoy Demesne	Donegal	0	1	0	1	0	0	2	0	16.7	51.5				
682	Glinsk	Donegal	0	0	0	0	0	0	0	0	0.0	69.7				
683	Keadew Upper	Donegal	0	3	0	0	0	0	3	0	25.0	45.5				
684 686	Lahardaun West Crolly Bridge Woods	Galway Donegal	0 1	3 1	0 0	0 1	0 0	0 0	3 3	0 0	25.0 25.0	69.7 66.7				
690	Roxborough Glebe	Donegal	1	0	0	0	0	0	1	0	8.3	60.6				
691	Barkillew	Donegal	0	0	0	0	0	0	0	0	0.0	63.6				
692	Bracky	Donegal	0	0	0	1	0	0	1	0	8.3	60.6				
694	Derrynamansher	Donegal	0	0	0	0	0	0	0	0	0.0	60.6				
695	Carrow Cashel	Donegal	2	0	0	0	0	0	2	0	16.7	54.5				
697	Norrira	Donegal	2	1	0	1	0	0	4	0	33.3	33.3				
699 702	Carrowmore	Donegal	0 0	2 0	0 0	1 0	0 0	0 0	3 0	0 0	25.0 0.0	51.5 63.6				
702	Cranny Upper Feddyglass Northeast	Donegal Donegal	0	1	0	0	0	0	1	0	8.3	63.6				
706	Knockbrack	Donegal	1	0	0	1	Ő	0 0	2	Ő	16.7	36.4				
707	Doon Island Wood	Clare	0	0	0	0	0	0	0	0	0.0	48.5				
708	Violethill	Clare	1	3	0	1	0	0	5	0	41.7	60.6				
709	Ballynacourty Wood	Limerick	2	0	0	1	0	0	3	0	25.0	48.5				
710	Ballintlea Wood	Limerick	2	0	1	0	0	0	3	0	25.0	60.6				
711	Ballyseedy Wood Glanlough Woods	Kerry	2	0 0	0	0 2	0 0	0 0	2 4	0 0	16.7	84.8				
712 715	Drombane	Kerry Kerry	2 0	0	0 0	1	0	0	4	0	33.3 8.3	51.5 81.8				
717	Lackdotia	Cork	0	1	0	0	0	0	1	0	8.3	45.5				
719	Farrandalouge	Kerry	0	1	1	0	0	0	2	0	16.7	60.6				
720	Burnham Woodland	Kerry	1	1	1	1	1	0	5	0	41.7	48.5				
722	Liscarney	Kerry	0	0	0	0	0	0	0	0	0.0	45.5				
724	Derrymore East	Kerry	0	3	0	2	0	0	5	0	41.7	42.4				
725	Ballyheigue	Kerry	2	1	0	0	1	0	4	0	33.3	27.3				
727 729	Reacaslagh Wood Cloghane	Kerry Kerry	1 1	2 0	0 0	1 0	0 0	0 0	4 1	0 0	33.3 8.3	45.5 42.4				
730	Killaclohane	Kerry	2	1	2	0	0	0	5	0	41.7	42.4 54.5				
731	Tulligealane	Kerry	0	2	0	1	0	0	3	0	25.0	48.5				
733	Derreeny	Kerry	0	2	0	1	0	0	3	0	25.0	48.5				
734	Drom East	Kerry	1	0	0	0	0	0	1	0	8.3	69.7				
735	Carrig East	Kerry	1	0	0	1	0	0	2	0	16.7	81.8				
736	Oolagh East	Kerry	2	2	0	0	0	0	4	0	33.3	66.7				
737	Graigues Kilgertaree Wood	Kerry	0	2	0	1	0	0	3	0	25.0	69.7				
739 742	Kilgortaree Wood Drombeg	Kerry Kerry	0 1	3 0	0 1	1 0	0 0	0 0	4 2	0 0	33.3 16.7	60.6 42.4				
742	Tarbert	Kerry	1	1	1	0	0	0	2	0	25.0	42.4				
745	Banemore Wood	Kerry	1	0	0	1	0	0	2	0	16.7	66.7				
746	Braumaddra	Kerry	1	0	0	0	0	0	1	0	8.3	63.6				
747	Dromin Upper	Kerry	1	1	0	0	0	0	2	0	16.7	54.5				
740	Glanageenty	Kerry	1	0	0	2	0	0	3	0	25.0	75.8				
1748 1749	Dooneen Wood	Kerry	0	1	0	0	0	0	3 1	0	25.0	63.6				

							\$		gdezdidam Scote	d trees		
						Damadi Janadi	ation. stief	•	am	20 ^{6°°}		e 0,000 100.0
				species Grating		ereget	19 activitie	nopy	deadlor	Missing	Values , Threat Sco	e valion
			asive	Grating	ninat	IN magir	NS office	an andin	3 ⁻	sing	Threat	consei
		Max. score	1112	Gro 3	N ⁰ . 2	0 ³¹	et ^o 1	Stor 1	9 ⁰⁰ 12	Mis	₀∖°` 100.0	∿ 100.0
Site No.	Woodland Name	County										
1751 1754	Beheenagh Gortnaskeagh	Kerry Kerry	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.0 0.0	45.5 51.5
1755	Whitefield	Kerry	0	0	1	1	0	0	2	0	16.7	54.5
1756 1758	Ballynamuddagh Ballynagaul	Cork/Waterford Cork	2 2	1 0	0 1	0 1	0 0	0 0	3 4	0 0	25.0 33.3	66.7 60.6
1759	Argadh Wood	Kerry	0	0	0	1	0	0	1	0	8.3	75.8
1760	Brennan's Glen	Kerry	0	0	0	1	0	0	1	0	8.3	63.6
1763 1768	Pontoon Woods Barnarinia	Mayo Mayo	2 0	0 0	0 0	2 1	0 0	0 0	4 1	0 0	33.3 8.3	81.8 71.9
1769	Raheens	Mayo	0	0	0	1	0	0	1	0	8.3	75.8
1770 1772	Kilbride Portroyal	Mayo Mayo	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.0 0.0	75.0 60.6
1774	Creevagh north	Mayo	0	1	0	0	0	0	1	Ő	8.3	54.5
1775	Coolcronaun	Мауо	2	0	0	0	0	0	2	0	16.7	57.6
1777 1778	Brackloon Woods Oldhead Wood	Mayo Mayo	1	0 1	0 1	0 0	0 0	0 0	1 3	0 0	8.3 25.0	84.8 75.8
1779	Ardogommon Wood	Mayo	0	0	2	0	0	0	2	0	16.7	54.5
1785 1786	Treanlaur Rosturk	Mayo	2 2	1 0	0 0	0 1	0 0	0 0	3 3	0 0	25.0 25.0	66.7 45.5
1789	Ballinknockane	Mayo Kerry	0	1	1	1	0	0	3	0	25.0	45.5
1790	Carrigeen Wood	Kerry	0	1	0	0	0	0	1	0	8.3	54.5
1791 1792	Farrantooreen Glanbalyma	Kerry Kerry	2 1	1 1	0 0	3 1	0 0	0 0	6 3	0 0	50.0 25.0	51.5 72.7
1793	Old Pike Wood	Kerry	2	0	0	1	0	0	3	0	25.0	48.5
1794	Mucksna Wood	Kerry	1	0	1	2	0	0	4	0	33.3	66.7
1795 1796	Kinlooey Derrymore	Mayo Mayo	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.0 0.0	63.6 72.7
1797	Carrowrevagh	Mayo	0	2	0	0	0	0	2	0	16.7	51.5
1798 1799	Lankill	Mayo	0 0	3 2	0 0	1 0	0 0	0 0	4 2	0 0	33.3 16.7	69.7 62.6
1800	Aillebaun Prospect	Mayo Mayo	2	2	0	2	0	0	2 4	0	33.3	63.6 81.8
1802	Cahermush	Mayo	1	1	0	1	0	0	3	0	25.0	48.5
1803 1804	Palmerstown Tawnyinlough	Mayo Mayo	1 2	0 0	0 0	0 0	0 0	0 0	1 2	0 0	8.3 16.7	60.6 60.6
1805	Culliagh Wood	Mayo	2	0	0	0	0	0	2	0	16.7	63.6
1806	Clooneen (Mayo)	Мауо	0	1	0	1	0	0	2	0	16.7	51.5
1807 1808	Coolaght Knockbaun	Mayo Mayo	0 1	1 0	0 0	1 0	0 0	0 0	2 1	0 0	16.7 8.3	69.7 75.8
1810	Creggarve	Mayo	0	0	0	0	0	0	0	0	0.0	60.6
1811	Liskilleen	Мауо	0 0	0 0	0 0	1 0	0 0	0	1 0	0 0	8.3	63.6
1812 1814	Ballycong Barcull	Mayo Mayo	0	0	0	1	0	0 0	1	0	0.0 8.3	60.6 51.5
1816	Ballyhamlet	Waterford	1	2	0	2	0	0	5	0	41.7	78.8
1818 1819	White Well Wood The Grove	Waterford Waterford	2 2	0 1	0 0	2 0	0 0	0 0	4 3	0 0	33.3 25.0	69.7 72.7
1820	Killeeshal	Waterford	2	0	0	0	0	0	2	0	16.7	63.6
1821	Knocknaree	Waterford	2	2	0	1	0	0	5	0	41.7	57.6
1822 1823	Knockaunbrandaun Mountbolton	Waterford Waterford	0 0	0 1	0 1	0 1	0 0	0 0	0 3	0 0	0.0 25.0	48.5 42.4
1824	Dromana	Waterford	2	1	0	1	0	0	4	0	33.3	42.4
1826	Ballyeelinan Wood	Waterford	0	0	0	1	0	0	1	0	8.3	45.5
1827 1830	Bohadoon South Knockafrehane	Waterford Waterford	0 1	0 0	0 0	0 0	0 0	0 0	0 1	0 0	0.0 8.3	66.7 63.6
1831	Ballymacarbry	Waterford	1	2	0	0	0	1	4	0	33.3	57.6
1832 1833	Tower Wood Kilmacomma	Waterford Waterford	1 2	0 2	0 0	0 0	0 0	0 0	1 4	0 0	8.3 33.3	42.4 48.5
1834	Lyranearla	Waterford	0	0	1	0	0	0	1	0	8.3	48.5
1835	Clonea	Waterford	0	0	0	1	0	0	1	0	8.3	42.4
1837 1838	Ballindysert Amberhill	Waterford Waterford	0 0	0 1	0 0	0 0	0 0	0 0	0 1	0 0	0.0 8.3	60.6 63.6
1839	Ballycanvan Big	Waterford	2	1	1	0	0	0	4	0	33.3	60.6
1842	Cladagh	Waterford	0	0	0	1	0	0	1	0	8.3	72.7
1844 1846	Rincrew Wood Ballynatray Demesne West	Waterford Waterford	1 1	0 0	0 0	1 0	0 0	0 0	2 1	0 0	16.7 8.3	66.7 72.7
1849	Kilcannon	Waterford	1	1	0	0	0	1	3	0	25.0	51.5
1851 1852	Blenheim Toor Wood	Waterford Waterford	1 1	1 0	1 0	1 1	0 0	0 0	4 2	0 0	33.3 16.7	51.5 42.4
1853	Hazel Wood, Waterford	Waterford	0	0	0	0	0	0	2	0	0.0	42.4 66.7

	cies
	species Grating
Invasiv	Grazing
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						ed trees									
				ies	Normal 2	Danagi 3	ativities	5	didam	ac.	5	5,000 CONSERVATION			
				species Grating		ive res di	ng activitie	anopy in	dear	Missing	Values	s. servatic			
			Invasit	Grating	Non-nu	Damais	EXOTIC	Standt	5core	Missin	o%Three	°'° Cotr			
Site No.	Woodland Name	Max. score County	2	3	2	3	1	1	12		100.0	100.0			
855	Carrigmoorna Wood	Waterford	0	2	0	0	0	0	2	0	16.7	45.5			
856	Cappanahanaagh	Limerick	2	1	0	0	0	0	3	0	25.0	63.6			
857	Newgarden North	Limerick	1	1	2	0	0	0	4	0	33.3	69.7			
858 859	Aughnaglanny Valley Grove Wood	Tipperary Tipperary	1	0 0	0 0	1 1	0	0 0	2 2	0 0	16.7 16.7	84.8 63.6			
860	Cappamurragh	Tipperary	2	0	0	0	0	0	2	0	16.7	54.5			
861	Knockanavar Wood	Tipperary	1	2	0	1	0	0	4	0	33.3	81.8			
864	Glengarve Wood	Tipperary	2	0	0	0	0	0	2	0	16.7	30.3			
865	Hollowpark	Мауо	0	0	0	0	0	0	0	0	0.0	63.6			
866	Gortnafolla	Мауо	0	0	1	1	0	0	2	0	16.7	66.7			
870	Scregg	Mayo	0	1	0	0	0	0	1	0	8.3	30.3			
871	Newtown Wood (Mayo)	Mayo	2	1	2	0	0	0	5	0	41.7	48.5			
872 873	Lissard More	Mayo	0	0 1	0	0 1	0	0	0	0	0.0	48.5			
876	Cloonta	Mayo	1 2	0	0 1	0	0 0	0 0	3 3	0 0	25.0 25.0	51.5 72.7			
878	Moyaliff Drum Wood	Tipperary Tipperary	2	1	0	1	0	0	2	0	25.0 16.7	60.6			
881	Faha	Kerry	1	0	0	1	0	0	2	0	16.7	39.4			
884	Ballyhorgan	Kerry	0	1	0	1	0	0 0	2	0	16.7	36.4			
891	Turaheen	Tipperary	1	0	0	2	0	0	3	0	25.0	63.6			
892	Longorchard	Tipperary	0	1	0	0	0	0	1	0	8.3	57.6			
893	Kilduff	Tipperary	0	2	0	0	0	0	2	0	16.7	63.6			
894	Ballycrenode Wood	Tipperary	0	1	0	1	0	0	2	0	16.7	57.6			
895	Killough Hill	Tipperary	0	0	0	1	0	0	1	0	8.3	51.5			
896	Friar's Lough Wood	Tipperary	0	1	0	0	0	0	1	0	8.3	54.5			
897	Lehinch	Tipperary	0	2	0	1	0	0	3	0	25.0	63.6			
898	Inchinsquillib Wood	Tipperary	0 0	1 0	0	1 0	0 0	0	2	0 0	16.7	57.6			
901 902	Powers Wood Scaragh Woods East	Tipperary Tipperary	2	0	0 0	0	0	0 0	0 2	0	0.0 16.7	51.5 48.5			
903	Killavalla Wood	Tipperary	2	0	0	0	0	0	2	0	16.7	40.5 54.5			
904	Longford Wood	Tipperary	0	0	0	0	0	0 0	0	0	0.0	51.5			
905	Kyle	Tipperary	0	0	0	0	0	0	0	0	0.0	51.5			
906	Kyatlea	Tipperary	0	2	0	0	0	0	2	0	16.7	45.5			
907	Deer Park	Tipperary	0	0	0	1	0	0	1	0	8.3	30.3			
908	Drom	Kerry	0	0	0	0	0	0	0	0	0.0	60.6			
909	Keam	Kerry	1	0	0	0	0	0	1	0	8.3	63.6			
910	Rusheen	Kerry	0	1	0	0	0	0	1	0	8.3	30.3			
914	Formoyle West	Clare	0	0	0	0	0	0	0	0	0.0	42.4			
915 916	Ballymalis Maulcallee	Kerry Kerry	0 1	2 0	0 0	0 1	0 0	0 0	2 2	0 0	16.7 16.7	48.5 75.8			
918	Beheens Wood	Kerry	0	1	0	0	0	0	1	0	8.3	51.5			
919	Foaty South	Cork	1	1	0	1	0	0	3	0	25.0	57.6			
920	Foaty North	Cork	2	0	1	0	1	0	4	0	33.3	45.5			
922	Ballydavid	Waterford	1	0	0	1	0	0	2	0	16.7	60.6			
923	Corville	Tipperary	2	1	2	1	0	0	6	0	50.0	45.5			
924	Patrickswell	Tipperary	2	1	1	0	0	0	4	0	33.3	66.7			
925	Taylor's Wood	Tipperary	0	0	0	0	0	0	0	0	0.0	45.5			
926	Ballyphilip	Tipperary	0	2	0	0	0	1	3	0	25.0	66.7			
927	Kilcooly Abbey	Tipperary	0	0	0	2	0	0	2	0	16.7	48.5			
928 920	Straheeny Grove	Galway	2	1	0	0 0	0	0	3	0	25.0	48.5 54.5			
929 930	Cahiracon North Ballynahinch Headland	Clare Galway	0 1	1 3	0 0	0	0 0	0 0	1 4	0 0	8.3 33.3	54.5 63.6			
930 931	Doon Lough East	Clare	0	2	0	2	0	0	4	0	33.3	42.4			
932	Marl Bog	Tipperary	2	0	1	0	0	0	3	0	25.0	66.7			
933	Carrowkilleen	Mayo	0	1	0	1	0	0 0	2	0	16.7	36.4			
934	Clogher (Mayo)	Mayo	0	0	1	0	0	0	1	0	8.3	51.5			
935	Lugboy Demesne	Mayo	0	3	1	1	0	0	5	0	41.7	45.5			
936	Largan More	Мауо	0	1	0	0	0	0	1	0	8.3	45.5			
950	Bounla Island	Tipperary	1	1	1	0	0	0	3	0	25.0	57.6			
951	Ballinahinch	Tipperary	0	2	0	0	0	0	2	0	16.7	60.6			
952	Johnstown	Tipperary	0	0	1	1	0	0	2	0	16.7	33.3			
953	Castlelough	Tipperary	1	1	1	0	0	0	3	0	25.0	78.8			
954 955	Garrynatineel Moanroan	Tipperary Tipperary	0 0	1 0	0 0	0 1	0 0	0 0	1 1	0 0	8.3 8.3	63.6 57.6			
955 958	Kilvilcorris	Tipperary	0	0	0	0	0	0	0	0	8.3 0.0	57.6 54.5			
958 959	Kilross	Tipperary	2	0	0	0	0	0	2	0	16.7	60.6			
960	Kilcarron	Tipperary	0	0	0	Ő	0	0	0	0	0.0	45.5			
900															
962	Glencoshabinnia	Tipperary	1	0	0	0	0	0	1	0	8.3	48.5			

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			Invasive	cies		egen	19 activitie	3	-2d/dia	Missing	values sci	N°
			.e	⁵ P ⁰	Ň	N ^e in	, Š	anot	10e-	•	value at 50	erve
			135W	Grazing	n'na	magn	dicu	anditt	, ve	sing	Three	cons
			112	Gru	40.	Q ₀ ,	Et.	Sto	SC	MIS	0/0	0/0
0.11 M	W/	Max. score	2	3	2	3	1	1	12		100.0	100.0
Site No. 1964	Woodland Name	County	0	0	0	1	0	0	1	0	8.3	40
1964 1967	Ballyoughter	Tipperary	0	0 1	0	0		0		0 0		42.4
1967	Templemore Demesne	Tipperary	2 1	0	1 0	0	0	0 0	4 1	0	33.3 8.3	60.6 66.7
1968	Shanacloon (Fox Covert)	Tipperary	0	0	0	0	0	0	0	0	8.3 0.0	48.5
1969	Garryglass Rathurles	Tipperary Tipperary	1	1	0	0	0	0	2	0	0.0 16.7	48.: 57.6
1970	Woodpark	Tipperary	0	2	0	0	0	0	2	0	16.7	33.3
1972	Borris Wood	Tipperary	0	2	0	1	0	0	2	0	25.0	33.3
1979	Mullagh	Limerick	0	2	0	0	0	0	2	0	25.0 16.7	48.
1979	Nantinan	Limerick	2	2	0	1	0	0	2 5	0	41.7	46.
1985	Lough Gur	Limerick	2	2	0	0	1	0	4	0	33.3	43.
1986	Curraghchase Forest Park	Limerick	1	1	1	0	1	0	4	0	33.3	93.9
1989	Glin Demesne	Limerick	1	1	0	0	0	0	2	0	16.7	48.
1993	Glenma	Limerick	0	1	0	1	0	0	2	0	16.7	48.5
1995	Gortnaskehy	Limerick	1	1	0	0	0	0	2	0	16.7	66.7
1996	Craggs	Limerick	0	0	0	1	0	0	1	0	8.3	63.6
1997	Aghinish	Mayo	0	0	0	0	0	0	0	0	0.0	48.5
1998	Curraghprevin	Cork	2	0	0	0	0	0	2	0	16.7	40.0 60.0
1999	Burnham East	Kerry	1	0 0	1	2	õ	0	4	0	33.3	51.5
2000	Ballynahown	Clare	0	0 0	0	0	õ	0	0	0	0.0	45.5
2001	Templeglentan West	Limerick	0	1	0 0	0	õ	Ő	1	0	8.3	63.6
2002	Dromore North	Cork	0	0	Ő	0 0	0	Ő	0	0	0.0	57.6
2003	Cappagh	Cork	0	0 0	0 0	0	õ	Ő	Ő	0	0.0	48.5
2012	Scartaglin	Kerry	1	0	0	0	0	0	1	0	8.3	48.5
2013	Derrylea	Kerry	0	2	0	0	0	0	2	0	16.7	54.5
2014	Ballahacommane	Kerry	1	0	0 0	1	õ	Ő	2	0	16.7	42.4
2018	Belle Lake	Waterford	0	1	2	0	õ	Ő	3	0	25.0	48.5
2019	Cloonmoylan	Galway	x	x	×	x	x	x	x	6	N/A	N/A
2020	Sheheree Bog	Kerry	x	x	x	x	x	x	x	6	N/A	40.0