

Ecological Study of the Countryside Habitats in County Fingal

Phase III – Woodland Fungi



**Fingal County Council
November 2006**

SUPPORTED BY THE HERITAGE COUNCIL



LE CUIDIÚ AN CHOMHAIRLE OIDHREACHTA



Fingal County Council
Comhairle Contae Fhine Gall

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**Prepared by:
Ms. Maria Cullen & Mr. Howard Fox**

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Acknowledgements

Many thanks to the Heritage Council for financial support of this project. Thanks to Hans Visser, Gerry Clabby, Dominica McKevitt and Jim Cunningham of Fingal County Council for their help. We are also very grateful to Paula Elmore.
Go mbeidh an t-ádh libh.

Summary

This is the first study of its kind in Dublin parks. The sites were selected as they have been stable areas of woodland and parkland with contrasting geology and management history. It was considered that these sites would be among the richest in Fingal for fungi.

237 different species of Fungi were recorded in the course of the survey between August and October 2006. 64 of these species were new records for County Dublin. The methodology was traditional - based on finding sound, mature species in the field and then confirming species names in the laboratory simply by optical and taxonomic means. European literature and keys to Genera were consulted. No molecular methods were utilised. Lichens, symbiotic relationships between fungi and algae or fungi with cyanobacteria, were also recorded in the course this study but were not the main focus.

This study will hopefully inform, at a basic level, on the distribution of fungal species in the Fingal area. Data on associated habitats and vascular plant associations has been kept with fungal species records and six-figure grid references to provide context. In time, the work may be cross-referenced with studies on other biological groups made around this time also, to perhaps address questions, for example fungi as food for squirrels here.

It is obvious from our results that we are merely commencing to understand the fungal diversity in the Fingal area. Modern techniques and regular surveying in Spring and Autumn will help to give a clearer picture of fungi in Fingal into the future.

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Chapter 1 Introduction

1.1 The Countryside Survey in Fingal

In 2004, Fingal County Council initiated the Ecological Study of the Countryside Habitats in Fingal. This study covers habitats such as rivers & wetlands, woodlands, hedgerows, demesnes and farmland and generally focuses on birds, mammals, flora but also includes fungi and invertebrates. The results from the Countryside Study will be used for the preparation of the Biodiversity Action Plans for the countryside habitats and species.

Phase III covers the flora and fauna of the 16 woodland sites in Fingal. Most of these woodlands are part of, or were once part of demesnes, and were planted within the last 150 years. The woodland fauna survey covers birds and mammals, while the flora survey deals with higher plants, trees and fungi. Together these data will provide the County Council with good baseline assessments of the flora and fauna of the Fingal woodlands. This will help to set out future woodland development and management strategies.

Fungi play a vital role in woodlands. Many are saprotrophs, living on dead organic matter such as leaf litter and have an important role in re-cycling. Others form symbiotic associations with trees and other plants (mycorrhizal fungi) which extend the plant root system assisting in the uptake of water and nutrients. Over 90% of plants have a fungus associated with their roots and many would not survive without their fungal partner. It has also been estimated that over 1000 species of insects and other creatures in the UK alone are dependent on fungi for food and shelter. Given the important role fungi play in the woodland ecosystem, it is important to find out which species occur within the woodlands in Fingal.

1.2 Objectives of the Fungi survey

The objectives of the Fungi survey are to:

1. Establish which fungal species can be found in the four woodland sites
2. Establish the conservation status of the fungi present
3. Establish importance of woodland sites in Fingal for fungi compared to woodland sites elsewhere in Ireland
4. Make recommendations to enhance the Fingal woodlands for fungi and present potential actions for the Local Biodiversity Action Plan

1.3 The Survey Sites

Four sites were selected as likely to be relatively rich in fungi based on their histories and woodland compositions. These were Ardgillan Demesne, Howth Demesne, Newbridge House Demesne and St. Catherine's Park. Here is a brief introduction to each of the sites.

1.3.1 Ardgillan Demesne



View of Ardgillan Castle with shadow of the Mourne Mountains in the distance

Ardgillan Demesne was carved from the ancient townlands of Kilmainham, Ardgillan and Baltray. The name Ardgillan derives from 'Ard Choill' High Wood. The wood itself was initially cut after the Down Survey was completed in the latter half of the seventeenth century. The land had been controlled by the O'Casey clan and later by the Earl of Tyrconnell. However, much change was to take place in the seventeenth century in Irish land ownership and land use patterns.

Thomas Taylor came to Ireland in 1653 as part of the 'Down Survey' team selected to aid Dr. William Petty. Taylor ended up buying 20,000 acres in Ireland after the Cromwellian confiscation and reassignment of Irish land took place. Ardgillan Castle was built by Thomas Taylor's grandson, Reverend Robert Taylor, in 1738. The property stayed in the Taylor family until 1962. After a brief time under the ownership of Heinrich Potts of Westphalia, Ardgillan was purchased for the Irish State in 1982 by Dublin County Council (now Fingal County Council). The land ownership history for Ardgillan demesne has been stable for the last three centuries and this has been helpful in the maintenance of an area's biodiversity.

Ardgillan Demesne slopes down to the Irish Sea with a coastal train line in between. The site contains a long avenue of established Beech, Ash and Sweet Chestnut. There are several large lawns, with few parkland trees. Woodland is mainly of Beech, Sycamore and Ash with Elder. Ivy cover is extensive in woodlands, both on the ground and on trees. Ardgillan is now an 82 ha area of woodland, parkland and gardens, including a walled garden of 2 acres, a rose garden and a *Potentilla* garden. The avenue is not within the current boundary of the grounds. It is suggested that the avenue be included in the managed area as it is relatively rich in fungi.

There has been no published information on the fungi of Ardgillan Demesne. It is also the first time Ardgillan has been surveyed for fungi or for lichens. Ardgillan Castle has probably been the most stable site with regard to land ownership compared to other sites in the survey. For its size and lack of large wooded area, Ardgillan has some good fungi. Staff interest has helped to maintain fungal diversity.

1.3.2 Howth Demesne



Overview of Howth Demesne and Harbour from Muck Rock

Howth Castle and its associated lands have had a long history. The founder of the Howth family was Sir Armoricus Tristram in 1177. The 20th Lord of Howth built the castle which is part of the main castle building today.

A portal tomb or cromlech at the base of Muck Rock, or Carrickmore cliff, is said to be the tomb of Aedeon, daughter of Aengus of Ben Edar. Aedeon is said to have died around 284 AD. Sir Samuel Ferguson (1810-1886) conjured an image of Aedeon's burial in his poem 'The Cromlech on Howth'

'....In a queenly grave we leave her
Among the fields of fern
Between the cliff and wave....'

This may indicate that this area of land was not wooded in Samuel Ferguson's time.

Fungal recording in the past

Howth is the major exception to the rule in that there is some historical fungal information. The most significant published paper is a report by Carleton Rea of a British Mycological Society/Dublin Naturalists' Field Club Meeting in the area (1898 Irish Naturalist vol. 7 pp. 286-289). In 1996 Julian Roche, a botany student at Trinity College Dublin, completed an undergraduate thesis on the macrofungi of woodlands at Howth under the supervision of Dr. Paul Dowding. Fieldwork took place between October 1995 and February 1996. During that study, 33 species were seen and monitored, and two fungi in the Genera *Coprinus* and *Boletus* were not identified to species.

Howth Demesne today

Birch, Oak, Beech and Sycamore with some Horse Chestnut, Ash, Scot's Pine and Larch – these trees are common at Howth. The woodlands' understorey is of Rhododendron, Ivy or in more heathy places Bracken or Bramble. Hazel is infrequent. On Muck Rock, the vegetation around exposed rock outcrops is quite different with Gorse and Ling heather dominant. The Valley between Muck Rock and Dun Hill is called Birch Grove. It is owned by An Taisce.

Geologically, the area is dominated by Bray Series rocks of Cambrian age. These old rocks are quartzites and other metasediments and are at least 500 million years old.

Cooney (1994) conducted a palynological study at Howth. The main thesis is that vegetation during the Middle Ages was of Birch, Alder and Hazel. There may have been a fire or series of fires but heath and patchy scrub then followed. In the 1830s Scot's Pine was introduced as part of a planting phase and Hazel disappeared. Pastures were marked on the 1837 O.S. map for the area on Ben of Howth and also parts of Dun Hill. Birch has made a natural recovery and has extended over heath in the last 50 years – probably as a result of goat removal. Roche (1996) stated that between 1843 and 1937 the amount of woodland around the Ben of Howth – Dun Hill area increased by 54%, heath and scrub by 2.6% and the area of farmed land decreased by 7.1%. Cooney (1994) considered the change in land use to be a consequence of the 1845-1850 Famine. In more recent times the potato rows on land under Muck Rock have been smoothed into the fairways of Deerpark golf course.

1.3.3 Newbridge House Demesne



Agaricus campestris in lawn near Newbridge House

The architect George Semple designed the lovely Newbridge House which was built for Charles Cobbe (1686-1765), cousin and chaplain to the Lord Lieutenant and later Archbishop of Dublin.

There is no published data on fungi from Newbridge Demesne.

1.3.4 St. Catherine's Park



View of River Liffey from footbridge

St. Catherine's Monastery was founded by Warris de Peche in 1219 for the Canons of St. Victor. The site was already the location of a holy well to St. Catherine and appears to have been an important place of pilgrimage.

On the 1830s 6 inch map of the area St. Catherine's Park and St. Catherine's wells to the north of the Park are represented. Within the present park are St. Catherine's Chapel, a flat area of open grassland, broadleaf woodland, mixed and plantation coniferous woods, a sluice on the river, along with paths or rides running through the wood.

St. Catherine's Woods were described in 'A Preliminary Report on areas of scientific interest in County Dublin by Roger Goodwillie for An Foras Forbartha (1973).

That report states:

'This area is Estate woodland..... with natural vegetation.... The area extends to the banks of the River Liffey. Some of the characteristic species of river banks are present *e.g. Viburnum opulus* (Guelder Rose), *Crepis paludosa* (Hawksbeard) and *Scrophularia umbrosa* (Figwort). In the ground cover of the woods, which include few coniferous trees, there are.... *Lamium galeobdolon* (Yellow Archangel), *Veronica montana* (Wood Speedwell) and *Melica uniflora* (Wood Melick Grass) are common and tree interesting non-green plants occur:- *Lathraea squamaria* (Toothwort), *Monotropa hypopitys* (Yellow Bird's Nest) and *Orobancha hederæ* (Ivy Broomrape). These woods are attractive to birds and mammals'.

The woods are still attractive to birds and animals including many human visitors who walk through the park daily. In fact, each of the sites in this survey draw many visitors. There is no playground at St. Catherine's as yet but it is a well utilized green space.

Previously published information on fungi in St. Catherine's Park - Lucan Demesne is sparse. The most significant paper is a report by Carleton Rea of a British Mycological Society/ Dublin Naturalists' Field Club Meeting in the area (1898 Irish Naturalist vol. 7 pp. 286-289).

St. Catherine's today

The park has a range of habitats from Ivy-clad Beech woodland to an open field near the river. A strip of woodland hugs the river. The steep slope away from the river is also wooded, partially with a Sitka Spruce plantation forestry.

St. Catherine's Park is a continuous landscape unit along the Liffey River valley. There is a sense of landscape continuity both physically along the river and through time. A small piece of land along the bend of the river as far as the weir is host to some unusual mushroom species. The site is quite diverse for fungi. Habitat variation at St. Catherine's is less dramatic compared with other sites but the niches are distinctly different. Humidity is relatively high in the wood adjacent to the river. Despite the difficulty of access to steep ground in part of the site, the fungal diversity of the site is high for size of the site. Pollution of the river by effluent and from the water treatment plant upstream is an issue for water and air quality.

Chapter 2 Methodology

Each site was traversed a number of times as shown on maps in Appendix I. By the end of three visits it was considered that the most important zones within the sites had been seen and sampled for fungi were fruiting this Autumn. Fungi are somewhat difficult to survey as sound, mature fruit bodies must be intercepted for identification purposes, unless one is to resort to expensive, high-tech means of sampling. Specimens were examined on the day and on the days after field work was conducted.

Hand lenses and microscopes were used to determine species. A bibliography at the end of this report features keys and books used in the identification process.

The Mycorec database updates fungal names to those of 2002. Current or most recent synonyms are utilised in this report unless historical records are given. In these cases, the modern name is noted in the database report.

Providing fungi records with information on the exact locations of the find is very important. Short site visits took place in the late nineteenth century to St. Catherine's Park, from the Dublin Naturalists' Field Club in particular. There is a slight complication with some older records as St. Catherine's was sometimes incorporated into Lucan Demesne for the purposes of fungal recording. It can be difficult to pin down the locality information for those records to north or south of the River Liffey. The importance of locality details cannot be ignored now. Today, with the assistance of OSI maps and GPS hand-held devices, we know where we are with more precision than ever before when noting botanical information. We have a responsibility to record this information for refinding species in future. Planning can take species and their needs into account in a far better way if the exact locations of species and their habitat niches are known.

Chapter 3 Results

3.1 Data in Appendices 3-6

An overview of the findings per woodland site is presented in Appendices 3-6. The findings are presented as a list of species encountered and as data records from the Mycorec database report. This database divides fungi into their biological groupings. It also displays host or nearest tree information so one can clearly see which plants are most important to the fungi *e.g.* Beech at St. Catherine's Park. The greater the number of sightings the easier it is to see and identify a species. A slight bias is introduced for species that are more visible than others. Also, the repertory of species for any recorder is another limitation.

3.2 Ardgillan Demesne

109 species of fungi were seen in the course of this survey at Ardgillan. In addition, 40 lichen species were listed, although lichens were not actively sought but merely noted where time allowed. A number of specimens could not be identified to species.

Ardgillan's 82 hectares are subdivided into woods, lawns and an avenue with trees such as Ash, Beech, Sweet Chestnut, Elm and Poplar. These trees are of various ages. Narrow strips of Beech and Sycamore dominated woodland link with larger areas of deciduous woodland. Oak, Ash and Horse Chestnut are also to be found. Conifers dot the extensive lawns in the site.

Each mycorrhizal tree species will have a distinct associated flora in its root system, for example, Beech trees are found to have associated *Russula* species. Some trees do not form these bonds with fungi. Ash and Alder are two of these.

3.3 Howth Demesne

403 records of 161 species of fungi and 45 lichens were made. The opportunity was taken to database an undergraduate thesis by Julian Roche (1996) and much earlier fungal records from 1898. In all, 754 records of 219 fungal species including 45 species of lichen were drawn together during this study from our own work and historical data.

Birch, Sycamore, Beech and Oak are the most significant associate tree species. The spread of associates is high for Howth. The substrate metasedimentary rocks of the Bray Group were also significant hosts for lichens. The heath just outside the site boundary is rich in *Hygrocybe* species and it contrasts with the woodland setting as a different kind of fungal resource. The loss of Hazel from the site over the centuries is regrettable. It is a valuable understorey species and has many associated fungi.

3.4 Newbridge House Demesne

134 fungal species were recorded at this site. Also 40 lichens and 3 lichen parasites were noted. 348 records were made in total.

The hosts Oak, Beech, Willow, Horse Chestnut, Walnut and Grasses were significant. The sense of continuity from the eighteenth century of parkland and its management is important in the diversity of the site.

3.5 St. Catherine's Park

266 records of 87 species of fungi plus 27 lichen species were made at this site. Beech is the most important host tree in St. Catherine's Park. Sycamore and Sitka Spruce have significant numbers of fungi and lichens associated with them.

Like Ash, Alder does not form conventional mycorrhizal relationships with fungi. Yet both these trees are good lichen hosts, particularly where they are in humid situations. Some lichen species grow best when overhanging freshwater. In polluted areas, this zone can be a difficult one for lichens to hold, due to competition from large swathes of green algae.

St. Catherine's Park appeared to be the most urban and most polluted of the regional parks in Fingal studied this season. Yet St. Catherine's Park is very interesting. It is the smallest site in this tranche, ten times smaller than Newbridge House Demesne. So to say that St. Catherine's is biodiverse for fungi is fair. Lichen species are uncommon at the highest parts of the site.

There was quite a high number of obscure and unidentified fungal species which indicate that further investigations at St. Catherine's could prove very fruitful. Despite discontinuity of woodland cover, different management styles and regional pollution, the site is biodiverse for fungi. There were a number of species found at this inland site that were not seen at coastal sites. The 'signal' for St. Catherine's Park is quite different from the other sites.

Ivy is extremely dense in some parts of St. Catherine's Park. In the past, horses, cattle or sheep would have grazed in the woodlands here. These animals ate Ivy and kept it from running rampant through woods. Unfortunately now these woods have lost a number of lichen species that have no source in the area from whence to return.

Chapter 4 Discussion

4.1 Fungal diversity

619 species of fungi were on record from Co. Dublin prior to this study according to the British Mycological Society. (See Appendix 2). As far as we can ascertain from the literature, the following 64 species have not been recorded before and are therefore new to Dublin and to Fingal. This represents a 10% increase in the species known to occur in the Dublin Vice County. The number of species found is high partly because this Autumn was a good one for fungi.

Agaricus macrosporus=Agaricus albertii	Mycena pelianthina
Amanita fulva	Mycena speirea
Boletus albidus	Orbilia sarraziniana
Clavulina cinerea	Otidea bufonia
Cortinarius melliolens	Oudemansiella mucida
Cortinarius pinicola	Panaeolus acuminatus
Daedaleopsis confragosa	Panaeolus rickenii
Entoloma hirtipes=Nolanea hirtipes	Peniophora lycii
Grifola frondosa	Phoma samararum
Hebeloma pusillum	Polyporus varius
Hebeloma sacchariolum	Psathyrella microrhiza
Helvella acetabulum	Pteridiospora scoriadea
Hygrocybe ceracea	Ramaria stricta
Hygrocybe coccinea	Russula betularum
Hygrocybe intermedia	Russula cyanoxantha var. peltereaui
Hygrocybe pratensis var. pallida	Russula delica
Hygrocybe vitellina	Russula densifolia
Hymenochaete corrugata	Russula farinipes
Inocybe griseolilacina	Russula gracillima
Inocybe napipes	Russula granulosa
Laccaria amethystina	Russula mairei
Lactarius subdulcis	Russula queletii
Lepiota castanea	Russula xerampelina
Lepiota sistrata=Cystolepiota seminuda	Rutstroemia firma=Poculum firmum
Lepiota subincarnata	Rutstroemia luteovirescens
Lophiostoma angustilabrum	Stropharia semiglobata
Macrotyphula juncea	Thelephora palmata
Marasmius graminum	Thelephora penicillata
Melanophyllum eyrei	Tricholoma sejunctum
Melanophyllum haematospermum	Tricholoma ustale
Microsphaera euonymi	Xylaria longipes
Mycena capillaris	
Mycena clavicularis	
Mycena flavescens	

Both Ardgillan and Newbridge Demesnes had quite a number of pasture species – five *Agaricus* apiece and several *Hygrocybe* species. It was a pleasure to find *Hygrocybe intermedia* in the grass at Newbridge House. Colourful Waxcaps of the Genus *Hygrocybe*, are doyens of grassland conservation. Howth hosts at least six *Hygrocybe* species but several of these are outside the designated area, in a patch of heathland. It is unlikely that artificial fertilizers or fungicides have been used on land where *Hygrocybe* species grow. Large populations of *Marasmius oreades*, the Fairy Ring Mushroom, at Newbridge House were impressive this season. Ardgillan Demesne also had many *Marasmius oreades* rings. The Deceiver, *Laccaria laccata*, was common in grassy areas. St. Catherine's Park is not so rich in these Genera.

Inonotus hispidus is a Bracket fungus and considered to be a scarce. It has only been seen on four trees in Dublin. Three of these are in Newbridge House Demesne and the other one is at the National Botanic Gardens in Glasnevin.

St. Catherine's Park hosts some unusual species and for its size and habitat limitations it has rich areas for fungi within it. *Melanophyllum eyrei* and *Melanophyllum echinatum* were a joy to see. The old wood by the River Liffey is one of few areas with Hazel as an understorey species. It is an important tree for associated fungi.

Boletus albidus was present under the Five Oaks near Ardgillan Castle. This was one of the species found New to Dublin in the course of this work. On the other end of the scale St. Catherine's Park appears to be poor in *Boletus* and related species. Boletes are mainly associated with Oak and Birch and some may favour the acidic conditions at Howth.

Amanita species are most common at Howth (4 species). The deadly *Amanita phalloides* at Ardgillan and *Amanita pantherina* at Howth may raise questions regarding the best way to keep visitors to the parks safe from accidental poisoning. Ignorance up to now has been some protection. The National Poisons Unit at Beaumont Hospital, Dublin has responsibility for mushroom poisonings in Ireland. Many enquiries have been made over the years with regard to the effects of Magic mushroom ingestion, now illegal in Ireland. Few serious poisonings and few fatalities have taken place but now that more people are picking fungi for culinary uses, care must be taken. Confusion between species that look very similar is one problem. *Clitocybe dealbata* is a deadly poisonous mushroom found at Ardgillan and at Howth. It can be easily confused with the Miller, *Clitocybe prunulus* which is very good to eat.

Fungi taken from Ardgillan for food include *Calvatia gigantea* (Giant Puffballs) and *Coprinus comatus* (Ink caps). Shaggy Ink Caps are good to eat but must not be consumed at the same time as alcohol or the combination can make one very ill. The Giant Puffball, *Calvatia gigantea* was encountered at Newbridge, Ardgillan and Howth in different contexts. The specimens at Newbridge and Howth were in grass as expected. The Ardgillan group were in deep shade in woodland near the coast. Several species at Ardgillan gave a confused signal in the sense that 'field mushrooms' live in the woodland at the base of the site.

The unusual-looking species *Auricularia mesenterica* was seen at St. Catherine's Park and at Newbridge Demesne (image in Newbridge Appendix 5). Populations of this species seem more common than we had previously thought. Sticks left in situ are an important niche for this species and the fact that sticks are not gathered for firewood appears to be a factor.

The Bracket Fungus *Ganoderma applanatum* is common to all sites. A tree was cut at Ardgillan because of a perceived danger that the tree was rotten and that it could fall on a passer-by. After felling, it was realised that the fungus had not caused serious damage to the tree and it was not a great health-and-safety risk after all. There is a balance between the urge to leave damaged trees or standing dead wood and the need to protect the general public as they use parks.

There is a slightly unusual species of Earthstar at Newbridge, *Geastrum rufescens*. Earthstars really capture the imagination.

Howth hosts 9 *Lactarius* or Milk Cap species, several associated with its many Oak and Beech trees. Newbridge is next with 4 species of *Lactarius*. Howth also has a large number of little *Mycena* species. *Mycena* can be lovely but as there are many species, and the specimens are often small and ephemeral, so time is of the essence for identification. The number of species that can be identified is often down to experience, time and access to literature. Howth has 12 species of *Russula*. Newbridge has a higher number of unidentified *Cortinarius* species than any other site. A better understanding of this group would increase numbers of species at all sites.

Unfortunately the tree-killing parasite *Armillaria mellea* (Honey fungus) is common to all four sites. In fact 15 species are common to all 4 sites.

These are:

Armillaria mellea (Honey Fungus)
Auricularia auricula-judae (Jew's Ear)
Clavulina cristata (White Coral Fungus)
Collybia confluens (Tough Shank)
Ganoderma applanatum (Artist's Bracket)
Laccaria laccata (The Deceiver)
Lepiota cristata
Lycoperdon pyriforme (Stump Puff Ball)
Nectria cinnabarina (Coral Spot Fungus)
Peziza badia
Rhytisma acerinum (Tar spot) on Sycamore leaves
Taphrina alni (Alder Tongue) on Alder cones
Trametes versicolor (Many-zoned Polypore)
Xerocomus chrysenteron (Red Cracked Bolete)

Table 1: A selection of fungi from the four sites

Latin name	English Name	Frequency in the sites	Edibility
<i>Amanita fulva</i>	Tawny Grisette	C	Edible β
<i>Amanita muscaria</i>	Fly Agaric	C	Poisonous
<i>Amanita pantherina</i>	Panther Cap	O	Deadly poisonous
<i>Amanita rubescens</i>	Blusher	C	Edible when cooked α
<i>Armillaria mellea</i>	Honey Fungus	C	Edible when young
<i>Auricularia auricula-judae</i>	Jew's Ear	VC	Edible
<i>Boletus edulis</i>	Penny bun, Cep	O	Edible, excellent
<i>Calvatia gigantea</i>	Giant Puffball	F	Edible, excellent
<i>Clavulina cristata</i>	White Coral Fungus	F	Edible
<i>Clitocybe nebularis</i>	Clouded Agaric	C	Edible when cooked α
<i>Collybia butyracea</i>	Butter Cap	C	Edible, not good
<i>Collybia confluens</i>	Clustered Tough Shank	VC	Edible, not good
<i>Collybia maculata</i>	Spotted Tough Shank	F	Inedible
<i>Collybia peronata</i>	Wood Woolly Foot	F	Inedible
<i>Coprinus micaceus</i>	Glistening Ink Cap	F	Edible
<i>Daedaleopsis confragosa</i>	Blushing Bracket	O	Inedible
<i>Ganoderma applanatum</i>	Artists' Fungus	C	Inedible
<i>Hebeloma crustuliniforme</i>	Poison Pie	F	Poisonous
<i>Hygrocybe coccinea</i>	Scarlet Hood Wax Cap	O	Edible, good (Conservation issue)
<i>Hygrocybe conica</i>	Conical Wax Cap	F	Edible, not good
<i>Hypholoma fasciculare</i>	Sulphur Tufts	C	Inedible
<i>Laccaria amethystina</i>	Amethyst Deceiver	O	Edible
<i>Laccaria laccata</i>	Deceiver	C	Edible
<i>Lactarius camphoratus</i>	Curry-scented Milk Cap	O	Edible, flavouring
<i>Lactarius cimicarius</i>	Watery Milk Cap	O	Inedible
<i>Lactarius glycosmus</i>	Coconut-scented Milk Cap	O	Edible
<i>Lactarius quietus</i>	Oak Milk Cap	O	Edible
<i>Leccinum versipelle</i>	Orange Birch Bolete	F	Edible, good
<i>Lepista flaccida</i>	Tawny Funnel Cap	C	Edible
<i>Lycoperdon pyriforme</i>	Stump puff ball	C	Edible when young
<i>Macrolepiota procera</i>	Parasol	F	Edible, good
<i>Nectria cinnabarina</i>	Coral Spot Fungus	C	Not edible
<i>Oudemansiella mucida</i>	Porcelain Fungus	C	Edible after washing
<i>Paxillus involutus</i>	Brown Roll Rim	C	Poisonous
<i>Piptoporus betulinus</i>	Birch Polypore	VC	Inedible
<i>Pleurotus ostreatus</i>	Oyster Mushroom	C	Edible
<i>Polyporus squamosus</i>	Dryad's Saddle	C	Edible
<i>Rhytisma acerinum</i>	Tar Spot Fungus	VC	Inedible
<i>Russula atropurpurea</i>	Blackish-purple Russula	C	Edible
<i>Russula cyanoxantha</i>	Charcoal Burner	C	Edible, good
<i>Russula fragilis</i>	Fragile Russula	C	Not edible
<i>Russula mairei</i>	Beechwood Sickener	C	Poisonous
<i>Russula nigricans</i>	Blackening Russula	VC	Edible, not good
<i>Russula ochroleuca</i>	Common Yellow Russula	VC	Edible
<i>Scutellinia scutellata</i>	Eyelash Fungus	F	Inedible
<i>Tremella mesenterica</i>	Yellow Brain Fungus	F	Inedible
<i>Tricholomopsis rutilans</i>	Plums and Custard	F	Considered edible by some
<i>Xerocomus chrysenteron</i>	Red-cracked Bolete	VC	Edible, texture lost on cooking
<i>Xylaria hypoxylon</i>	Candle Snuff Fungus	C	Inedible
<i>Xylaria polymorpha</i>	Dead Man's Fingers	C	Inedible

α Can cause gastric upsets in some people β Can be confused with deadly mushrooms

VC = Very common C = Common F = Frequent O = Occasional

4.2 Lichen diversity in Fingal

Howth has the greatest lichen diversity of the four sites (45 in total, see Table 2). Howth is quite 'unique' from a lichen perspective. It has 17 lichen species not found other sites. This is mainly due to the unusual substrate for saxicolous lichens not being represented in the other locations. Rock outcrops of Cambrian Bray Group and acid heath are important for lichen species at Howth.

St. Catherine's Park is the least 'original' site for lichens. It is true to say that the lichen flora of St. Catherine's is poor. One of the three lichen species found only at St. Catherine's is *Lecanora conizaeoides*, a lichen tolerant of high levels of air and water pollution, conditions found in urban environments. To say that lichens abhor polluted environments is untrue. Many species do, but a number of species are ubiquitous in cities as competition from other organisms is low.

Ivy is present in huge amounts in parts of St. Catherine's woodland. It obliterates epiphytic lichens by shading them and by physically taking their place on trees. *Chrysothrix candelaris* and *Schismatomma* species are quality parkland lichens and the loss of lichen diversity to these sites will be nearly impossible to reverse. Lack of source material in the locality to recolonise a damaged site is a big problem.

The lichen species common to all sites are:

Arthonia radiata
Enterographa crassa
Evernia prunastri
Lecanora chlorotera
Lecidella elaeochroma
Lepraria incana agg.
Opegrapha atra
Parmelia sulcata
Parmotrema perlatum
Ramalina fastigiata
Xanthoria parietina

4.3 Site comparison

The four parks featured in this study compare well, with regard to habitat variation within and between sites. Fluvial woodland, eighteenth century parkland, lake edges, seaside grassland, coastal woodland and Cambrian cliffs all feature in some form through the sites.

Of the four locations, the most similar sites are Ardgillan and Newbridge Demesnes. They are situated near the Irish Sea and have been managed somewhat similarly over the past three hundred years. The quality of established parkland at Ardgillan gives it an edge over Newbridge for fungal diversity. The ectomycorrhizal associations between particular trees and their fungi are well developed there.

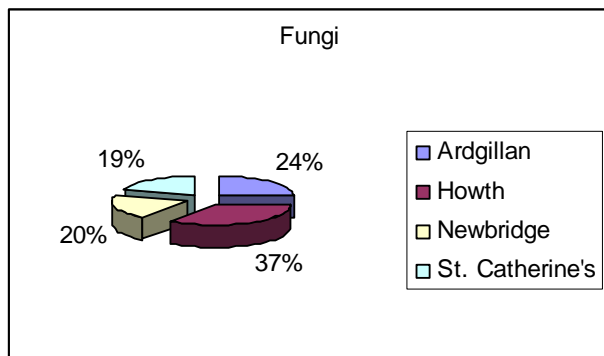
Newbridge Demesne covers 145.7 ha (350 acres including an 8ha working farm). Ardgillan spreads to 80 ha by the sea, where open lawns are fringed by woodland. St. Catherine's Park is only 16 ha and is an old Beech-dominated wood on the northern bank of the River Liffey. Howth Demesne is on Howth tombolo in Dublin Bay and spreads over a wider area of rock outcrop, re-naturalised Estate edge, Birch and mixed woods with acid heath above. Despite the sites all being managed by Anglo-Irish merchant and aristocratic classes for nearly three hundred years, they each have their nuances. Even though the inland park at St. Catherine's has the lowest number of species, for its size it is quite rich for fungi. It has in places a sense of mature woodland, a feeling that there has been wood along the Liffey edge there for many centuries.

All of the aforementioned sites are on Carboniferous Limestone and calcareous soils with one exception. Howth Demesne is on Cambrian quartzites and metamorphosed siltstones and mudstones. The gulf between calcareous-loving and siliceous-loving life is a major one in biology. So Howth is quite different from the other sites in its habitat niches and biological affiliations. Howth has many niches not found at the other sites, mainly long-lived Birch, old Oak-Beech woods, with some Scot's Pine and acid heath. Although *Rhododendron* makes access to some areas a challenge, it provides shelter and allows humidity to build up beneath its heavy cover. Ivy has not destroyed the woods of Howth for fungi or for lichens.

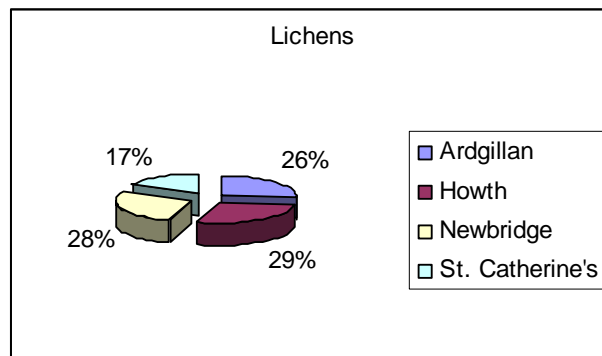
Howth is the highest site climbing to 110 m. Ardgillan slopes down from 90m to 20m and almost reaches the North Dublin coast. Newbridge House is relatively flat and low-lying at 5m. St. Catherine's Park is on the north side of a river valley. It is low lying at the river but rises steeply through a wooded area to 45m.

Organism	Ardgillan	Howth	Newbridge	St.Catherine's
Fungi	109	161	91	87
Lichens	40	45	43	27

Table 2: Number of Fungi and Lichen species per site



The % share of fungal species for each of the four sites



The % share of lichen species for each of the four sites

4.4 Factors affecting fungi & lichen diversity

As discussed previously, geology divides St. Catherine's Park, Newbridge House and Ardgillan Estate on one side with calcareous 350 Ma Carboniferous Limestone under them, against Howth with its siliceous 500Ma Cambrian Metasediments on the other. Rock type has some bearing on fungal species as geology usually determines soil type and available nutrients. Many lichens growing on rock outcrops are sensitive to substrate chemistry and texture. Soil type influences what kind of vascular plants grow in a site. This in turn controls mycorrhizal fungi.

Usually, the tree types of a site decide a proportion of the fungi likely to grow there. *Russula* species with Beech and *Leccinum* with Birch are just two examples seen in the course of this work. The importance of host and associated species cannot be underestimated for fungi and for lichens. Specific ectomycorrhizal associations exist between certain fungi and their vascular partners. The fungi produce a network of fungal mycelia and inhabit the root systems of trees. Indeed, without these fungi, trees would die. So happy trees mean happy fungi and vice versa. The interdependence is very important to keep in mind.

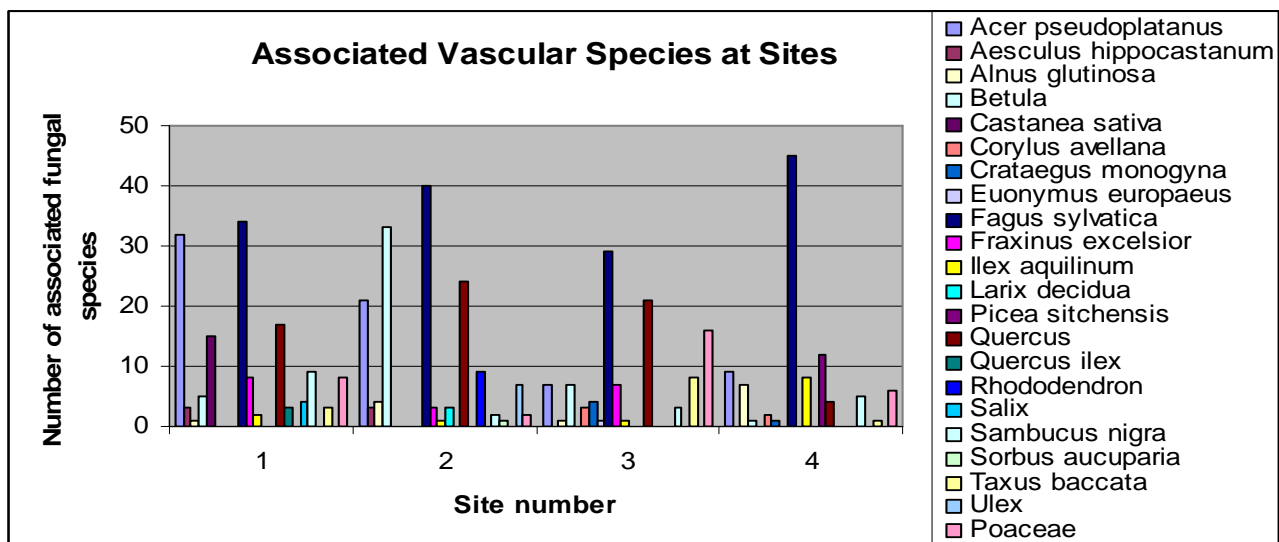


Table 4 Site 1 Ardgillan Demesne Site 2 Howth Demesne Site 3 Newbridge House Demesne Site 4 St. Catherine's Park

We can see from table 4 that Beech is the most important host tree species to all sites, particularly to St. Catherine's Park. Birch is very important for Howth Demesne. Sycamore, Oak and Sweet Chestnut are important at Ardgillan Demesne. In the case of Sycamore over-representation as associated species may occur in the data as it was commonly seen nearest to a fungus but may not be the important tree species. E.g. a beech tree further away might be the true associated tree species.

Very important is the continuity of a woodland and of ongoing management practices. The lack of change in the parkland at Newbridge House is partly why it is quite rich. St. Catherine's Park has areas with few or no lichens, which can partly be attributed to felling or heavy coppicing. The extent of Ivy cover and competition on the ground and in trees is another contributing factor to the diversity of fungi and lichen species. Ivy control seems to be practised only to a limited extent in Ardgillan and Newbridge. The management of dead wood within the woodland can have significant influence too on the diversity of fungi. Generally in the demesne landscape parks, both standing and lying dead wood is removed, but this material provides the substrate for many saprophytic species.

The air and water quality at a particular site are important factors determining the growth, diversity and spreading of fungi & lichen species. Howth, Ardgillan and Newbridge are influenced by the humid, normally cleansing effect of the Irish Sea, while air pollution from the nearby motorway and water pollution in the Liffey are likely to have a negative impact on the diversity of fungi and lichen at St. Catherine's Park.

4.5 Fungi Conservation Status

Ireland has approximately 3,500 taxa of fungi. Ireland's National Strategy for Plant Conservation group expect a fungal checklist for Ireland in 2007. Lichens make up 1,254 additional species. This includes 150 lichenicolous fungi (Fox, 2001, 2004).

The Environment and Heritage Service in Northern Ireland have become interested in fungi in recent years. The Northern Ireland Fungus Group have an excellent website and 2,244 species are documented for Northern Ireland. The EHS have listed 16 fungi as priority species. There has been a *Hygrocybe* grassland survey over several seasons recently across Northern Ireland. They state that All-Ireland species action plans are required for some species.

A poor knowledge of fungal distribution in Ireland means that it is difficult to say whether a particular species is regionally rare unless the distribution of the habitat or host species is restricted or unknown. The lack of surveys in Ireland leads to difficulties when comparing sites. The species listed in this work were met in the course of site transects alone. These range from mushrooms to microfungi, myxomycetes and bracket fungi as well as lichens.

No Red Data Book for fungi in Ireland has been prepared as yet. Neither is there a Red Data Book for British fungi although Bruce Ing's list has been used there as an unofficial RDB since 1992. Accordingly, not a single fungus has a conservation status in Ireland.

A series of papers by Muskett and later Muskett and Malone in the 1970s and 1980s brought historical records together but there is still much to do. Roland McHugh has included rare Myxomycetes on Natural Heritage Area lists. With a dearth of detailed information on the distribution of many fungi in Ireland, it is impossible to address issues of conservation in detail. It is premature to compare sites at a national level.

4.6 Threats to fungal diversity and to fungal populations

The main threats to the woodland fungi in Fingal are

- Ivy
- Trampling
- Over-harvesting
- Air & Water pollution
- *Armillaria mellea* (Honey fungus) and other tree killing fungi that can outcompete other fungi and aggressively dominate an area

Ivy

Ivy competes in the soil with fungi and growth of Ivy on the ground can fungi. As a liane, Ivy climbs trees and competes lichen flora. Epiphytic lichens years to build up on tree bark. This can be obliterated in fewer than five uncontrolled Ivy growth. In some of the woodlands, Ivy has become a very feature of the woodland flora and this is have an effect on the fungi and lichen these woodlands.



excessive
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demesne
prominent
likely to
diversity in

Trampling – visitor pressure

The concomitant trampling of the forest floor can significantly reduce [by 30% in places] the number of fruit bodies produced' (Egli *et al.* 2006). The clear signal that trampling reduces the likelihood of fungal mycelia producing mushrooms must be kept in mind. Path construction through woods can also compromise mycelial viability as ectomycorrhizae die when disconnected from their host tree's roots.

Fungi for food

For Chanterelle, *Cantharellus cibarius*, the global food market is worth \$1.67 B annually (Watling 1997). Fungi are useful as wild food and pressure on fungi has increased in Ireland in recent years. No Chanterelles were found during this survey and it is expected that this species is frequent but not very common in Ireland.

Anecdotal evidence is that fungi are being gathered for food by more people in recent years. People with regular stomping grounds have arrived after others have harvested Boletes and Chanterelles. This is a new phenomenon in Ireland.

When he saw the basket, one passer-by in Ardgillan suggested that one should come back at dawn to have first pick of the fungi these days! Increased picking pressure is not known to harm fungi. Associated trampling of soil can lead to a failure of the fungus to fruit. What may be of greater import is the risk of a misidentification leading to a poisoning event. People gathering fungi may be new to the Irish flora and so the risk is heightened where there is a confident picker in an unfamiliar environment.

Unlike our Continental neighbours, the encouragement of edible fungi through inoculation and other methods has not been carried out in Ireland to any great extent. If we have a small resource in certain edible fungi *e.g.* Chanterelle, then high pressure on the small resource is something to avoid. As yet it is difficult to quantify the pressure from secret mushroom collecting. At the other end, details on volumes and locations of edible fungi are shrouded in mystery.

Air and Water pollution

Air and water pollution are linked regional issues which we cannot fully address here. Away from the influence of the Irish Sea, and adjacent to a water-treatment plant, St. Catherine's Park is the most vulnerable site. The River Liffey is polluted there. When mist rises from the river what should be a benefit – high humidity – becomes a disadvantage as the air quality is compromised by polluted water droplets. There is a trading of pollutants between air and river in any urban site. A large, relatively clean river can buffer the local air quality in its river valley. Higher humidity is key to the presence of many fungi. Compromise of groundwater or soil water quality near the water treatment plant or the river could have an impact on the feasibility of certain fungi in the low-lying parts of St. Catherine's Park. Water quality and its effect on fungi is a complicated matter, particularly for soil water and perhaps one best dealt with on a site by site level

Threats from fungi - Sudden Oak Death

Sudden Oak Death (*Phytophthora ramorum*) was not found in Fingal, but this aggressive fungus is becoming an increasing problem in Ireland and Northern Ireland on *Rhododendron* and *Viburnum*. Sudden Oak Death is in the same Genus as *Phytophthora infestans*, Potato Blight. It is native to Oregon on the west coast of North America. It was probably introduced to Ireland on nursery stock. Like Potato Blight, *Phytophthora ramorum* is a wasting, wilting disease and causes serious damage to *Rhododendron* and surrounding woodlands as seen in Killarney National Park.

In Northern Ireland there is now some legislation to combat the problem of Sudden Oak Death and it is now illegal to transport infected plants. DEFRA have produced an information leaflet on SOD - *Phytophthora ramorum*. There is as yet no legislation or research initiatives to address the issue in Ireland.

Some other fungi infect and destroy trees. These fungi are not good for general forest health, for example *Armillaria mellea* and *Piptoporus betulinus*.

Chapter 5 Recommendations

5.1 Woodland management

Clear felling of woodlands and excessive pruning or pollarding should be avoided to maintain a diverse fungi and lichen community. These management operations remove the habitat and substrate for fungi and lichens and should therefore only be carried out on a small scale over a number of years. This will allow the species to survive elsewhere in the woodland and in time can re-colonise areas where woodland management works were undertaken.

The potential for planting appropriate, perhaps even inoculated parkland trees could improve the fungal health and diversity of a woodland. One species that had a surprising limited distribution in these parks was Hazel. This understorey species is a host to many fungi and lichens and therefore it is recommended to promote the spread of Hazel in all woodland sites. The Hazel stock should be sourced from local woodlands as much as possible. An increase of other important host species such as Birch and Oak is also recommended.

Standing and lying dead wood is an important resource for saprobic fungi and as shelter for wasps, woodlice, mice and owls among others. It is important however that only limited amounts of dead wood be left lying near populations of *Armillaria mellea* (Honey fungus) or other parasitic fungi. Currently, Honey fungus occurs localised within the woodland, but this species could become a serious problem to nearby living trees if allowed to spread vigorously by means of dead wood.

It is recommended that a certain amount of Ivy control is carried out in the woodlands, particularly in Newbridge and St. Catherine's. This measure should go hand in hand with research on Ivy and its effects on fungi and lichen diversity. The research element is described in more detail in paragraph 5.2.

An important group of fungi missing from the four woodland sites are associated with animal dung. The introduction of animals to sites may not be feasible with amenity use of these parks, but nonetheless it is recommended to look into the possibilities for animals (seasonally) grazing the woodlands. When horses were superseded by motorised vehicles, horse-associated fungi like *Agaricus arvensis* suffered decreased ranges.

5.2 Research,

Progress in conservation depends on progress in taxonomy, and in our understanding of distribution and ecology. With many of our university teaching staff nearing retirement or just retired, there are few opportunities for students to receive training in fungal taxonomy in Ireland. Fungi are perceived to be a difficult biological group partly because fungal nomenclature and species concepts are more fluid than for vascular plants.

Fingal County Council can assist in expanding our knowledge on fungi and lichen communities in Ireland by commissioning more fungi surveys in woodland sites in Fingal or more in-depth studies such as:

- The Spring fungal flush, and the range of different species that appear with different weather conditions

- The Grassland fungi: Newbridge could be an excellent study site for grassland fungi as it hosts a wide range of *Hygrocybe* and *Agaricus* species
- The ecology of Birch Polypore: *Piptoporus betulinus* is at Howth and it kills Birch trees. A better understanding of this species would help with management of Birch as a forest tree.

Ivy can have a serious impact on fungi and lichen diversity. In Ireland, we have yet to replace anecdote with data in regard to Ivy and its overall influence on diversity in our woods and hedgerows and accordingly, research into this topic would be most beneficial. Accordingly, it is recommended that comparative research is carried out in Newbridge Demesne and St. Catherine's between Ivied sections of the woodland and those without Ivy for lichen and fungi diversity.

5.3 Education & Training

Ardgillan was the only park where both staff and visitors engaged the surveyor in conversation about fungi. The head gardener at Ardgillan are very knowledgeable and enthusiastic about fungal health in the site. Perhaps specific training and support for her initiatives could build on the strong base of staff awareness.

Howth was the focus of attention this Autumn when Dr. Paul Dowding (retired, TCD) led a group of 70 people to look for edible fungi on 22nd October 2006. The meeting was organised by Slow Food Ireland and demonstrates the interest in wild fungi as a food source. Perhaps school visits and forays can be organised to satisfy that interest.

A deadly poisonous species – *Amanita phalloides* (Death cap) grows singly and in clusters. One notable group was located opposite the gate to Walled garden, near a main path at Ardgillan. Yellow blushing *Agaricus xanthodermus* are common at Ardgillan. While they are not deadly poisonous, they will make people ill and can look just like the edible *Agaricus campestris*. Highlighting awareness of fungi brings a responsibility to educate about the potential dangers of fungi.

5.4 Grassland fungi

Field mushrooms have a large area of lawn in which to grow. Although the range of species is limited, the lawns could with time develop more interesting fungal floras. The presence of *Hygrocybe* species (Wax caps) in the lawns show that fertilizers, pesticides and fungicides have not been applied in significant amounts. *Hygrocybe* diversity is used as a way of identifying unimproved grasslands of conservation value.

The biodiversity of grassy areas could be enhanced by animal grazing or by spreading manure. Horses are particularly rewarding for their associated dung fungi. Cutting regimes of grass could be varied so that matting of grass roots does not occur all over the site. Physical break up of grass mats can assist fungi that have not fruited in some time.

Chapter 6 Conclusions

The survey of Newbridge, Ardgillan, Howth and St. Catherine's Demesnes gives a first impression of the species of fungi growing in Fingal. 237 different species of Fungi were recorded in the course of the survey. 64 of these species were new records for County Dublin.

Optimal woodland mushroom habitat with lots of fruit body production is usually in Ivy-free situations, deep litter beds and mossy turf, or in short grass under mycorrhizal trees. Within Newbridge, Ardgillan and St. Catherine's Ivy seems to have a negative impact on the fungi and lichen diversity. Ivy coverage is less of a problem in Howth Demesne. Geology is another factor influencing fungal diversity. Newbridge, Ardgillan and St. Catherine's are situated on calcareous soils, while Howth is situated on acids soils. The geology determines the soil chemistry and to a certain extent the flora of a site, which in turn affect the fungal diversity. The study showed that Oak, Beech, Birch, Ash and Sycamore are important to fungi in the sites. St. Catherine's has more species associated with Beech than anywhere else. Howth is significant for species associated with Birch. This influence of tree populations on mushroom floristics has not been clearly demonstrated before in the Irish context. The study found that Hazel is no longer a significant understorey bush in the woods surveyed and that this species should be actively encouraged in woodlands.

The most important threats to fungal and lichen diversity in the woodlands of Fingal are increased ground & tree coverage of Ivy, trampling, over-harvesting of mushrooms, air & water pollution, tree pruning & felling and the spread of aggressive fungi such as Honey fungus.

The conservation status of the fungi encountered during this study is currently unknown. A poor knowledge of fungal distribution in Ireland means that it is difficult to say whether a particular species is regionally or nationally rare. Many species have been encountered only once, and consequently are rare according to this and previous surveys. How meaningful this is in a regional context is unclear, due to the unpredictability of fungal fruit body occurrence. More survey work will be needed around the country to address this issue.

Details of what fungi were encountered are of great interest to those people with a moderate ability in species identification of fungi. There are always surprises and occasionally severe identification challenges with fungi. This challenge is a daily one for even the most experienced mycologist, and it forms much of the fun. With digital cameras, global positioning systems and modern maps, we have the means to document the question of what lives where in a more precise way than previous generations of mycologists. The why questions still require imagination. For conservation to succeed, we need to leave information that encourages, stimulates and facilitates future enquiry.

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Appendix 1

Map of Ardgillan Demesne

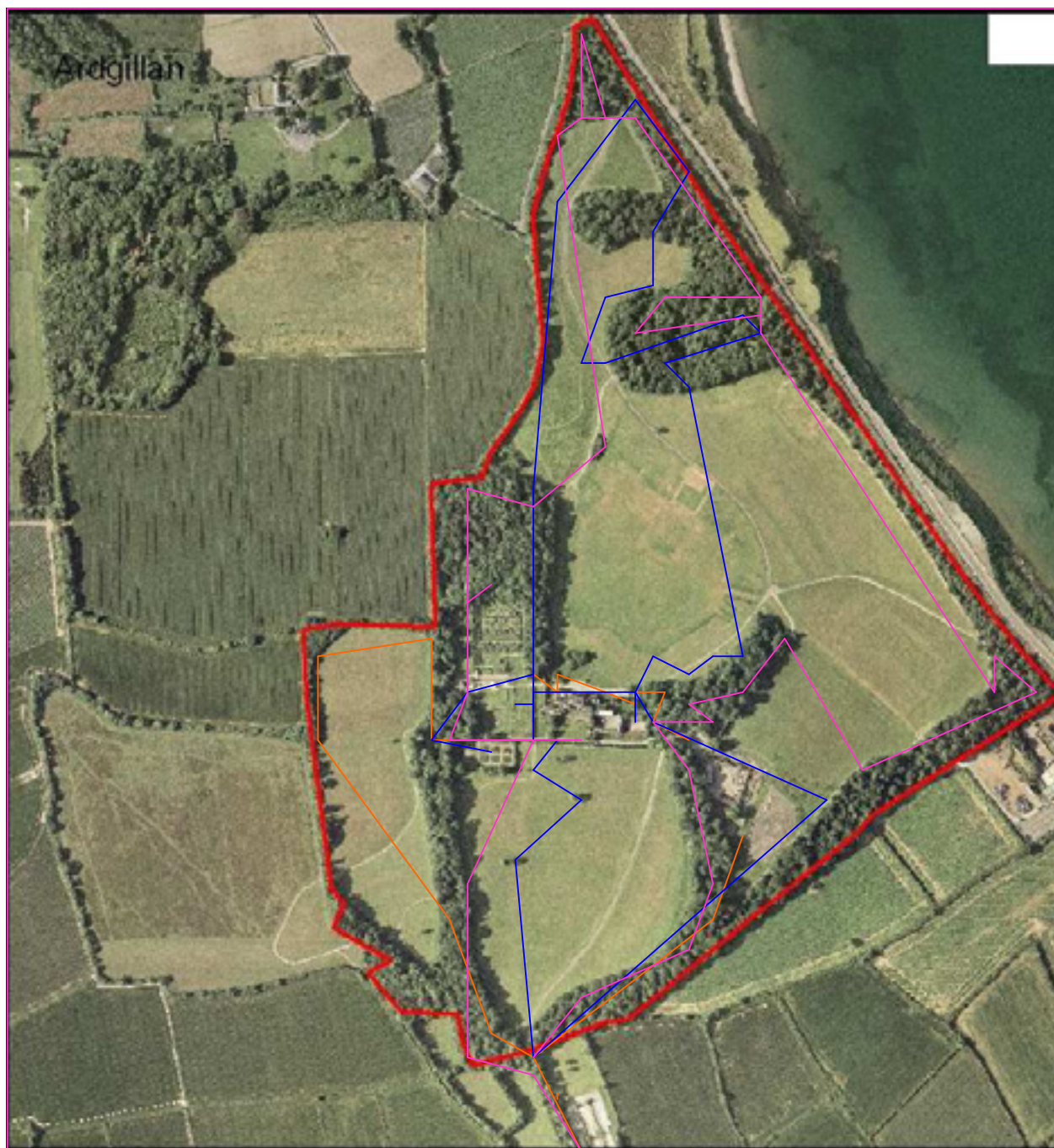
Map with routes taken during this study

Day 1 Orange

Day 2 Blue

Day 3 Pink

Red line represents the site boundary



Map of Howth Demesne

Appendix 1 Route Maps from this study of Howth Demesne

Day 1 Orange Day 2 Blue Day 3 Pink

Red line represents the site boundary



Map of Newbridge House Demesne

Appendix 1 Map with routes taken during this study

Day 1 Orange

Day 2 Blue

Day 3 Pink

Red line represents the site boundary



Map of St. Catherine's Park

Appendix 1 Map of routes taken during this study

Day 1 Orange

Day 2 Blue

Day 3 Pink

The Red line represents the site boundary



Appendix 2

Compilation List of Fungi for 4 Sites in Fingal

237 species of different fungi were recorded during this study of four sites. 309 species were databased, some data coming from previous studies at Howth. Additional species records had been made during a BMS/DNFC Field Meeting in 1898 and also as part of an undergraduate project by Julian Roche (1996), both at Howth.

64 of these fungi appear new to Dublin (those species in bold).

Agaricus arvensis
Agaricus bisporus
Agaricus campestris
Agaricus macrosporus*=*Agaricus albertii
Agaricus pilatianus – More work required
Agaricus silvicola
Agaricus silvaticus
Agaricus xanthodermus=*Agaricus xanthodermus* var. *xanthodermus*
Agrocybe praecox
Amanita fulva
Amanita muscaria§#
Amanita pantherina
Amanita phalloides
Amanita rubescens=*Amanita rubescens* var. *rubescens*
Armillaria mellea
Ascodichaena rugosa
Auricularia auricula-judae
Auricularia mesenterica
Bolbitius vitellinus
Boletus albidus
Boletus edulis
Boletus erythropus
Boletus luridus
Boletus porosporus=*Xerocomus porosporus*§#
Bovista nigrescens
Calocera cornea
Calocera viscosa
Calvatia gigantea
Ceratiomyxa fruticulosa=*Ceratiomyxa fruticulosa* var. *fruticulosa*
Clavulina cinerea
Clavulina cristata=*Clavulina coralloides*
Clavulinopsis corniculata
Clavulinopsis helvola
Clavulinopsis fusiformis
Clavulinopsis luteoalba
Clitocybe dealbata
Clitocybe flaccida=*Lepista flaccida*
Clitocybe nebularis
Coleosporium tussilaginis

Collybia butyracea=*Collybia butyracea* var. *butyracea*§#
Collybia confluens§#
Collybia dryophila§#
Collybia maculata=*Collybia maculata* var. *maculata*
Collybia peronata
Conocybe ochracea=*Conocybe siennophylla* – More work required
Conocybe percincta – More work required
Conocybe subovalis – More work required
Coprinus comatus
Coprinus disseminatus§#
Coprinus lagopus
Coprinus micaceus
Coprinus plicatilis
Cortinarius melliolens
*Cortinarius paleaceus**#
Cortinarius pinicola
Cortinarius semisanguineus
Crepidotus mollis
Cyathus striatus
Cystoderma amianthinum
Cystoderma carcharias
Cystolepiota sistrata=*Cystolepiota seminuda*
Dacrymyces stillatus
Daedaleopsis confragosa
Daldinia concentrica
Diatrype disciformis
Entoloma nidorosum=*Entoloma rhodopolium*
Entoloma hirtipes=*Nolanea hirtipes*
Entoloma sericeum
Erysiphe heraclei
Exidia thuretiana
Fistulina hepatica
Ganoderma adspersum=*Ganoderma australe*
Ganoderma applanatum
Geastrum rufescens=*Geastrum fimbriatum*
Grifola frondosa
Hebeloma crustuliniforme
Hebeloma pusillum
Hebeloma sacchariolens
Helvella acetabulum
Helvella crispa
Hygrocybe ceracea
Hygrocybe coccinea
Hygrocybe conica=*Hygrocybe conica* var. *conica*
Hygrocybe intermedia
Hygrocybe laeta=*Hygrocybe laeta* var. *laeta*=*Hygrophorus laetus**#
Hygrocybe miniata
Hygrocybe pratensis* var. *pallida
Hygrocybe psittacina=*Hygrocybe psittacina* var. *psittacina*
Hygrocybe vitellina
Hymenochaete corrugata
Hymenoscyphus fructigenus

Hyphodontia sambuci
 Hypholoma fasciculare
 Hypholoma sublateritium=Hypholoma lateritium
 Hypoxylon fragiforme
 Hypoxylon fuscum
 Hypoxylon nummularium=Biscogniauxia nummularia
 Inocybe fastigiata=Inocybe rimosa var. rimosa
 Inocybe geophylla
 Inocybe geophylla var. lilacina
 Inocybe godeyi
Inocybe griseolilacina
Inocybe napipes
 Inocybe petiginosa*#
 Inonotus hispidus
 Kuehneromyces mutabilis
Laccaria amethystina
 Laccaria laccata
 Lacrymaria lacrymabunda
 Lactarius aurantiacus=Lactarius mitissimus
 Lactarius blennius
 Lactarius cemicarius=Lactarius camphoratus*#
 Lactarius glycosmus*#
 Lactarius hepaticus
 Lactarius piperatus
 Lactarius plumbeus=Lactarius turpis*##
 Lactarius quietus
Lactarius subdulcis
 Lactarius tabidus
 Lactarius vellereus=Lactarius vellereus var. vellereus
 Leccinum scabrum=Leccinum scabrum var. scabrum\$#
 Leccinum versipelle
 Leotia lubrica
Lepiota castanea
 Lepiota cristata
Lepiota sistrata=Cystolepiota seminuda
Lepiota subincarnata
 Leptonia serrulata=Entoloma serrulatum
Lophiostoma angustilabrum
 Lycogala epidendrum
 Lycoperdon perlatum
 Lycoperdon pyriforme
 Macrocystidia cucumis
 Macrolepiota procera
 Macrolepiota rhacodes=Macrolepiota rhacodes var. rhacodes
Macrotyphula juncea
 Marasmius calopus=Marasmiellus vaillantii
Marasmius graminum
 Marasmius rotula
Melanophyllum eyrei
Melanophyllum haematospermum=Melanophyllum echinatum
 Microsphaera alphitoides
Microsphaera euonymi

Mollisia cinerea
Mucilago crustacea=Mucilago crustacea var. crustacea
Mycena capillaris
Mycena clavicularis
Mycena epipterygia=Mycena epipterygia var. epipterygia§
Mycena flavescens
Mycena filopes
Mycena galopus var. nigra*#
Mycena leucogala*#
Mycena pelianthina
Mycena polygramma
Mycena pura=Mycena pura var. pura
Mycena speirea
Mycoacia uda=Hydnum udum*#
Naucoria escharoides*#
Nectria cinnabarina
Nectria coccinea
Nectria peziza
Nolanea farinolens=Entoloma ortonii
Orbilbia sarraziniana
Otidea bufonia
Oudemansiella mucida
Panaeolina foeniseccii
Panaeolus acuminatus
Panaeolus ater
Panaeolus fimicola
Panaeolus rickenii
Paxillus involutus§#
Peniophora lycii
Peniophora quercina
Peziza badia
Phacidium multivalve
Phellinus igniarius
Phoma samararum
Phragmidium violaceum
Piptoporus betulinus
Pleurotus ostreatus
Polyporus varius
Polyporus squamosus
Postia caesia
Postia stiptica
Psathyrella candolleana
Psathyrella microrhiza
Pteridiospora scoriadea
Ramaria stricta
Rhodotus palmatus
Rhytisma acerinum
Rickenella fibula=Mycena fibula
Russula atropurpurea
Russula betularum
Russula cyanoxantha
Russula cyanoxantha var. peltereaui

Russula delica
Russula densifolia
Russula farinipes
 Russula fragilis§#
Russula gracillima
Russula granulosa
 Russula luteotacta
Russula mairei
 Russula nigricans
 Russula ochroleuca§#
Russula queletii
Russula xerampelina
Rutstroemia firma=Poculum firmum
Rutstroemia luteovirescens
 Sarcoscypha coccinea
 Scleroderma areolatum
 Scleroderma citrinum
 Scutellinia scutellata
 Scutellinia umbrorum
 Sepedonium chrysospermum=Hypomyces chrysospermus
 Stemonitis fusca var. fusca
 Stereum gausapatum
 Stereum hirsutum
 Stereum rugosum
Stropharia semiglobata
 Taphrina alni=Taphrina amentorum
Thelephora palmata
Thelephora spiculosa=Thelephora penicillata
 Trametes versicolor
 Tremella mesenterica
 Trichia varia
Tricholoma sejunctum
Tricholoma ustale
 Tricholomopsis rutilans§#
 Trochila ilicina
 Uncinula necator
 Ustulina deusta=Kretzschmaria deusta
 Vascellum pratense
 Xerocomus chrysenteron
Xylaria longipes
 Xylaria hypoxylon*#
 Xylaria polymorpha

* species seen by BMS/DNFC excursion to Howth in 1898

§ species seen by Julian Roche (Unpublished undergraduate thesis, TCD 1996)

species noted by the authors at Howth already recorded by BMS/DNFC or Julian Roche

= signifies a synonym where a fungus has been reassigned a name in line with current research. The nomenclature of fungal names is more mobile than that of vascular plants. Species concepts are revised frequently so one must be conscious of the older names for species as well as the current understanding.

Fungi species found only by Julian Roche at Howth (1996), not refound during this study

Anthracobia macrocystis
Clavariadelphus fistulosus=*Macrotyphula fistulosa*
Clitocybe infundibuliformis=*Clitocybe gibba*
Collybia rancida=*Tephrocybe rancida*
Leccinum holopus
Leccinum oxydabile
Leccinum variicolor
Lepiota felina
Melanoleuca cognata
Mycena aetites
Mycena inclinata
Panaeolus semiovatus=*Panaeolus semiovatus* var. *semiovatus*
Pholiota carbonaria=*Pholiota highlandensis*
Russula brunneoviolacea
Tricholoma fulvum

Fungi found only by BMS/DNFC (1898), not refound during this study

Ascocoryne sarcoides=*Coryne sarcoides*
Ascophanus carneus=*Iodophanus carneus*
Cantharellus aurantiacus=*Hygrophoropsis aurantiaca*
Cheilymenia oligotricha
Clavaria fragilis
Cortinarius elatior
Cortinarius hemitrichus
Cortinarius hinnuleus
Cortinarius leucopus
Fimaria hepatica=*Ascobolus vinosus*
Hydnum auriscalpium=*Auriscalpium vulgare*
Hygrocybe chlorophana=*Hygrophorus chlorophanus*
Hygrocybe irrigata=*Hygrophorus unguinosus*
Inocybe asterospora
Inocybe cincinnata
Lachnea dalmeniensis=*Cheilymenia oligotricha*
Lachnea hybrida=*Trichophaea hybrida*
Lactarius fuliginosus
Lactarius subumbonatus
Lasiosphaeria ovina
Lepiota acutesquamosa
Leptonia incana=*Entoloma incanum*
Mutinus caninus=*Cynophallus caninus*
Mycena acicula
Mycena amicta
Mycena sanguinolenta
Naucoria badipes=*Galerina badipes*
Naucoria erinacea
Orbilbia auricolor
Peronospora ficariae
Pholiota spectabilis=*Phaeolepiota aurea*

Pilaira anomala
Polyporus adustus=*Bjerkandera adusta*
Polystictus abietinus=*Trichaptum abietinum*
Russula drimeia=*Russula sardonia*
Psathyrella corrugis=*Psathyra corrugis*
Psathyrella piluliformis=*Hypholoma hydrophila*
Psilocybe semilanceata
Psilocybe semilanceata var. *caerulescens*=*Psilocybe strictipes*
Russula lutea=*Russula armeniaca*
Scleroderma verrucosum
Stropharia albocyanea=*Stropharia pseudocyanea*
Stropharia inuncta
Stropharia pseudocyanea
Trichaptum abietinum
Tricholoma inamoenum
Trichophaea hybrida
Tubaria furfuracea
Tyromyces chioneus=*Polyporus chioneus*
Verticillium lateritium
Russula fragilis var. *violascens*
Russula galochroa

Appendix 3 – Ardgillan Demesne

Details of site visits

Day 1 1st September 2006

Surveyor: Maria Cullen

Stop 1 Acer pseudoplatanus (Sycamore), trees by Castle and Lower Car Park

Grid reference O219612

Girth 157 cm

Lichens

Chrysothrix candelaris

Ramalina canariensis

Diploicia canescens

Opegrapha vulgata

Enterographa crassa

Physcia tenella

Pertusaria pertusa

Flavoparmelia caperata

Pertusaria albescens

Schismatomma decolorans

Lecanora chlorotera

Xanthoria parietina

Melanelia subaurifera

Ivied trunks of trees with very few lichens on these trunks. There are no fungi on the ivied woodland floor here either.



Ganoderma adspersum on Beech tree

Stop 1b Fagus sylvatica (Beech)

Grid reference O219612

Ganoderma adspersum

Stop 2 Tilia (Lime) near Castle

Grid reference O218612

Lichens

Diploicia canescens

Ramalina farinacea

Enterographa crassa

Stop 3 Quercus (Oak) Stump of tree**Grid reference** O218612

Ganoderma applanatum

Stop 4 Quercus (Oak) by Castle**Grid reference** O218612

Bovista nigrescens (Puffballs – squashed and kicked)

Stop 5 Quercus (Oak) by Castle**Grid reference** O218612**Girth** 232 cm

Chrysothrix candelaris

Schismatomma decolorans

Pyrrhospora quernea

Diploicia canescens (fruiting)

Opegapha varia

Stop 6 Fraxinus excelsior (Ash) by tea rooms in Castle**Grid reference** O218612

Lichens

Lecanora chlarotera with parasite Vouauxiella lichenicola

Parmotrema perlatum

Lecanora carpineae

Flavoparmelia caperata

Xanthoria parietina

Pertusaria pertusa

Lecanora expallens

Arthonia radiata

Physcia tenella

Lecidella elaeochroma

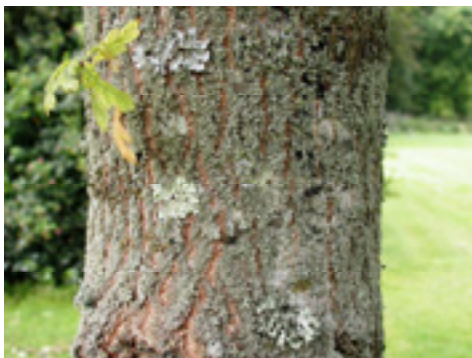
Opegapha atra

Fuscidea lightfootii

Stop 7 Acer pseudoplatanus (Sycamore) outside tea rooms**Grid reference** O218612

On leaves

Rhytisma acerinum

*Lichen flora on young Oak tree near Ardgillan Castle*

Stop 8 Quercus (Oak), young tree opposite front of Castle

Grid reference O218612

Girth 49 cm

Ramalina canariensis

Melanelia subaurifera

Evernia prunastri

Xanthoria parietina

Flavoparmelia caperata

Parmelia sulcata

Physcia tenella

Diploicia canescens

Physcia adscendens

Lecanora carpineae

Ramalina fastigiata

Lecidella elaeochroma

Lecanora chlorotera

Green alga



Marasmius oreades (Fairy ring champignon) in grass near Ardgillan Castle

Stop 9 Grass by Castle tower

Grid reference O218612

Marasmius oreades (Fairy ring champignon)

Stop 10 In grass near Castle

Grid reference O218612

Laccaria laccata (The Deceiver)



Aspicilia calcarea on limestone wall at edge of Rose Garden

- Stop 11** Limestone rock in wall, above area of grouting (where lichens have died out)
Grid reference O217611
 Lichens
Aspicilia calcarea
Verrucaria baldensis
Verrucaria nigrescens
Caloplaca citrina
- Stop 12** Underhang of limestone in wall
Grid reference O217611
 Lichen
Lepraria incana agg.
- Stop 13** Corner of path at intersection in woodland north of Castle and rose garden
Grid reference O216611
Agaricus arvensis (Horse mushroom)
- Stop 14** Stump of tree in wood
Grid reference O216611
Trametes versicolor
- Stop 15** Across field, *Acer pseudoplatanus* (Sycamore) and *Fraxinus excelsior* (Ash)
Grid reference O216613
 In grass
Conocybe ochracea
Marasmius oreades
- Stop 16** Stick in ivied *Fraxinus excelsior* (Ash) and *Acer pseudoplatanus* (Sycamore) wood
Grid reference O216613
 Bracket fungus
Peniophora lycii
- Stop 17** *Fraxinus excelsior* (Ash)
Grid reference O215609
Phoma samarum spots on Ash keys
Exidia thuretiana on stick in wood
- Stop 18** *Fagus sylvatica* (Beech), *Fraxinus excelsior* (Ash), *Ilex aquifolia* (Holly), with much *Hedera helix* (Ivy)
Grid reference O215609
Lactarius subdulcis
- Stop 19** *Acer pseudoplatanus* (Sycamore)
Grid reference O216608
Marasmius oreades (Fairy ring champignon)
- Stop 20** Sticks and fallen tree in wood near hide with wooden seat inside
Grid reference O216608
Nectria cinnabarina
Auricularia auricula-judae (Jew's Ear) on Elder
Exidia thuretiana



Nectria peziza on *Polyporus squamosus* under Beech tree of avenue

Stop 21 Fagus sylvatica (Beech), first on avenue from the castle side
Grid reference O217604
 Polyporus squamosus (Dryad saddle), on ground where quite rotten
 Nectria peziza parasitic on Dryad saddle – Last reported in Dublin in 1878

Stop 22 Fagus sylvatica (Beech) nut
Grid reference O217604
 Hymenoscyphus fagineus

Stop 23 Fraxinus excelsior (Ash) #2463 on avenue
Grid reference O218606
Girth 188 cm
 Lichens
 Pertusaria pertusa with parasite
 Lecanora chlarotera
 Pertusaria hymenea
 Opegrapha vulgata
 Pyrrhospora quercea

Stop 24 Fraxinus excelsior (Ash) with stump near Castanea sativa (Sweet Chestnut)
Grid reference O218606
 Marasmius rotula
 Agaricus pilatianus
 Agaricus xanthodermus

Stop 25 Fraxinus excelsior (Ash) and Acer pseudoplatanus (Sycamore) along avenue
 Grid reference O218606
 Paxillus involutus (many fruits) **POISONOUS**

Stop 26 Fraxinus excelsior (Ash), tag #2484
Grid reference O218606
 Lichens
 Bacidia rubella
 Lecanora chlarotera
 Opegrapha atra
 Lecidella elaeochroma
 Pertusaria albescens



The poisonous Paxillus involutus among grass and clover by car park

Stop 27 Populus (Poplar) row of trees behind avenue in outer car park
Grid reference O218606
 Paxillus involutus – swathe of fruits POISONOUS



Taphrina alni on fruiting cones of Alder near avenue

Stop 28 Alnus (Alder)
Grid reference O218605
 Taphrina alni on fruiting cones (see above)

Stop 29 Castanea sativa (Sweet Chestnut) on 'out' route of avenue
Grid reference O218605
 Cortinariaceae Indet.

Stop 30 In grass by avenue
Grid reference O218605
 Coprinus plicatilis

Stop 31 Castanea sativa (Sweet Chestnut) in avenue
Grid reference O218605
 Lycoperdon pyriforme

Stop 32 Limestone curb by avenue
Grid reference O218605
 Lichen
 Aspicilia contorta

- Stop 33** Fraxinus excelsior (Ash) on 'outward' avenue
Grid reference O219604
 Lepiota cristata
- Stop 34** Tree stump near outer gates to estate
Grid reference O219604
 Phellinus ignarius
 Bracket fungus Solid lumpy orange and whitish fruit bruising burgundy/chestnut brown
 White Myxomycete
- Stop 35** Ulmus (Elm) and Fraxinus excelsior (Ash) at 'Inward' avenue
Grid reference O219604
 Boletus edulis
- Stop 36** Castanea sativa (Sweet Chestnut), young tree at 'Inward' avenue
Grid reference O218604
 Laccaria laccata (The Deceiver)
- Stop 37** Castanea sativa (Sweet Chestnut) on 'In' avenue
Grid reference O218604
 Hebeloma crustuliniforme
- Stop 38** Fagus sylvatica (Beech) in wood
Grid reference O218604
 Collybia confluens
- Stop 39** Under Fagus sylvatica (Beech), Acer pseudoplatanus (Sycamore) and Quercus (Oak) in wood
Grid reference O218604
 Xerocomus chrysenteron
- Stop 40** Carpinus betulus (Hornbeam), young trees planted on rise behind playground
Grid reference O221611
 Laccaria laccata (lots)
 Inocybe fastigiata
- Stop 41** Woodland above playground towards castle
Grid reference O220610
 Armillaria mellea (Honey fungus) straps on fallen wood

Day 2 12th September 2006

Surveyors: Maria Cullen & Howard Fox

- Stop 2.1** Lawn uphill from house approx. 500 m, near Chamaecyparis (Lawson's Cypress)
Grid reference O218610
 Panaeolina foenicisecii, mushrooms scattered through lawn

Stop 2.2 Cedrus libani (Cedar of Lebanon), tag #0960

Grid reference O218610

Lichens

Diploicia canescens

Lecidella elaeochroma

Flavoparmelia caperata

Physcia tenella

Lecanora chlarotera

Xanthoria candelaria

Lecanora expallens

Fungus

Dacrymyces stillatus

Stop 2.3 Oak tree planted in memory of John Keogh, December 1996

Grid reference O218611

Laccaria laccata with parasitic black Hyphomycete

Microsphaera alphitoides (Oak leaf mildew)

Stop 2.4 Lawn with Yew trees near castle

Grid reference O218611

Panaeolina foenisecii

Agaricus campestris (Field mushroom)

Stop 2.5 Rose Garden

Grid reference O217611

Panaeolina foenisecii

Panaeolus rickenii

Stop 2.6 Lawn

Grid reference O218612

Marasmius oreades in shadow of tree

Inocybe fastigiata under Oak

Stop 2.7 Quercus ilex (Holm Oak)

Grid reference O218612

Marasmius oreades

Hebeloma sacchariolens

Laccaria laccata

Stop 2.8 Ilex aquifolium (Holly) in front of castle

Grid reference O218612

Panaeolina foenisecii

Stop 2.9 In grass in front of castle

Grid reference O218612

Vascellum pratense

Stop 2.10 Oak near castle where puffballs were last day

Grid reference O219612

Laccaria laccata

Hebeloma sacchariolens

Xerocomus chrysenteron

Mycena sp.

Collybia dryophila

Stop 2.11 Lawn on sea-side of castle

Grid reference O219613

Panaeolina foenisecii

Stop 2.12 Sycamore leaves nearby

Grid reference O219612

Rhytisma acerinum

Stop 2.13 Lawn downslope of path

Grid reference O219614

Conocybe ochracea

Lepiota sp. Rose pink cap, 1cm diameter, flat with tiny scales and white gills adnate, very distinctive

Stop 2.14 Stick of Sycamore in wood

Grid reference O220616

Tremella mesenterica

Also on fallen Sycamore here

Armillaria mellea

Xylaria polymorpha (Dead man's fingers)

Stop 2.15 *Acer pseudoplatanus* (Sycamore), Elder, Snowberry, Ivy, *Dryopteris* fern,

Plagiomnium undulatum moss

Grid reference O220616

Hygrocybe conica (Wax cap)

On Sycamore wood

Trametes versicolor

Stop 2.16 *Acer pseudoplatanus* (Sycamore) in wood

Grid reference O220616

Mollisia cinerea

Stop 2.17 *Sambucus nigra* (Elder) in wood

Grid reference O220616

Hyphodontia sambuci

Stop 2.18 *Acer pseudoplatanus* (Sycamore)

Grid reference O219616

Stereum hirsutum

Stop 2.19 *Sambucus nigra* (Elder)

Grid reference O220616

Auricularia auricula-judae

Mycena sp.



Calvatia gigantea (Giant Puffball) among Ivy and Bramble in woodland

Stop 2.20 Under felled Sycamore

Grid reference O221617

Calvatia gigantea

Lacrymaria lacrymabunda

Auricularia auricula-judae

On Sycamore

Lichens

Flavoparmelia caperata

Ramalina farinacea

Parmelia sulcata

Evernia prunastri

Pertusaria albescens

Xanthoria parietina

Fungus

Nectria coccinea

Stop 2.21 On soil in wood near Wellingtonia tag #0950

Grid reference O221617

Coprinus comatus

Stop 2.22 *Acer pseudoplatanus* (Sycamore)

Grid reference O220617

Lichens

Ramalina farinacea

Parmelia sulcata

Xanthoria parietina

Phaeophyscia orbicularis

Fungus

Lepiota cristata at edge of wood with path

Stop 2.23 *Acer pseudoplatanus* (Sycamore) wood

Grid reference O220617

Entoloma sericeum

Cystoderma amianthinum

Xylaria hypoxylon (sterile)

Transects here made by in the past by Eileen Murphy's students on excursion here with Howard Fox from National Botanic Gardens 2005.

Stop 2.23b Prunus laurocerasi (Laurel)

Grid reference O220617

Sarcoscypha coccinea

Auricularia auricula-judae on Elder

Hyphodontia sambuci on Elder

Stop 2.24 Acer pseudoplatanus (Sycamore)

Grid reference O219617

Lichen

Schismatomma cretaceum

Stop 2.24b Vinca major (Periwinkle) on ground

Grid reference O219617

On Elder

Hyphodontia sambuci

On Elder and Sycamore

Auricularia auricula-judae

Stop 2.25 Wood edge

Grid reference O219616

Marasmius rotula

Mycena sp.

Cystoderma amianthinum

Agaricus campestris x 3

Lepiota cristata

Stop 2.26 Lawn

Grid reference O218616

Panaeolina foenisecii

Marasmius oreades ring (dark green grass)

Stop 2.27 Edge of wood near Castanea sativa (Sweet chestnut)

Grid reference O219617

Laccaria laccata

Mycena epipterygia

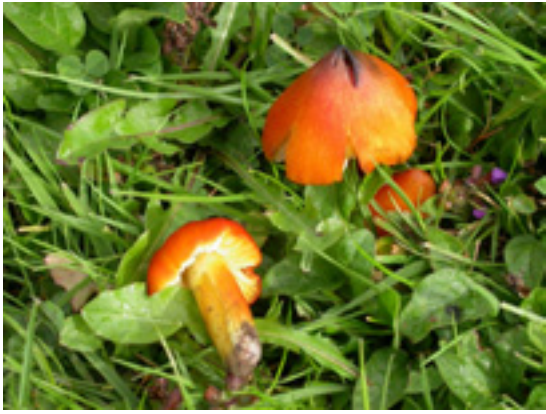
Inocybe geophylla var lilacina

Heboloma pusillum

Inocybe griseolilacina - New to Dublin

Myxomycete on Castanea sativa leaf

Sparse nettles



Hygrocybe conica among grasses and ground flora in lawn

Stop 2.28 Lawn

Grid reference O218617

Hygrocybe conica



Inocybe fastigiata on soil in wood

Stop 2.29 Wood

Grid reference O219618

Nectria cinnabarina

Coprinus comatus (Shaggy ink cap)

Inocybe fastigiata

Stop 2.30 In grass of 'fairway' from house among different length cuts of grass

Grid reference O217618

Hygrocybe conica

Stop 2.31 Quercus (Oak) stump seen last day near Agaricus patch past rose garden (tree cut for health and safety reasons)

Grid reference O216611

Ganoderma applanatum

Stop 2.32 Potentilla garden

Grid reference O217612

Near 'Longacre'

Collybia confluens

Other parts of the Potentilla garden

Collybia butyracea

Macrocystidia cucuminis – Last reported from Dublin in 1898

Mycena sp.

Lepiota cristata



Xerocomus chrysenteron (Red cracked bolete) on soil

Stop 2.33 Five Oaks near Castle

Grid reference O219612

Lichens

Schismatomma decolorans

Evernia prunastri

Ramalina farinacea

Ramalina fastigiata

Diploicia canescens

Parmelia sulcata

Parmotrema perlatum

Pertusaria hymenea

Chrysothrix candelaris

Pyrrhospora quernea

Lepraria incana agg.

Fungi

Clitocybe dealbata DEADLY POISONOUS

Xerocomus chrysenteron

Otidea bufonia

Boletus albidus – New to Dublin

Sepedonium chrysosermum on *Xerocomus chrysenteron*

Stop 2.34 Ash trees with canker near lower car park

Grid reference O220611

Soil disturbance – hydrological change, chemistry of water change

Seeps from polluted water are a possible cause of trouble.

The placing of gravel and soil should not be on top of root systems of trees for hydrological reasons

Day 3 21st September 2006

Surveyor: Maria Cullen



Marasmius oreades forming rings in lawn

Stop 3.1 Grass adjacent to car park

Grid reference O220608

Marasmius oreades in rings with darker and stronger grass growth along the rings

Stop 3.1b *Fagus sylvatica* (Beech) and Holly on descent through wood to castle from car park

Grid reference O220608

Hebeloma crustuliniforme

Trametes versicolor on Beech stump

Stop 3.2 *Fagus sylvatica* (Beech) tree with Ivy

Grid reference O220608

Lichens

Enterographa crassa

On fallen twig

Parmelia sulcata

Ramalina fastigiata

Lecanora chlorotera

Green alga

Inocybe fastigiata

Inocybe napipes



Hypholoma fasciculare (Sulphur tufts) on wood

Stop 3.3 Fagus sylvatica (Beech) Large tree uphill from playground
Grid reference O220609
Lepiota subincarnata (smell acrid)
Hypholoma fasciculare on Beech log in ground

Stop 3.4 Fagus sylvatica (Beech) wood
Grid reference O220609
Mycena pura

Stop 3.5 Fagus sylvatica (Beech) in wood
Grid reference O220609
Russula densifolia
Exidia thuretiana on fallen Beech
Collybia dryophila
Mycena pura
Russula farinipes
Russula mairei
Collybia confluens
Auricularia auricula-judae on Elder

Stop 3.6 Fagus sylvatica (Beech) log in wood
Grid reference O220609
Hypoxylon fuscum
Trichia varia Myxomycete

Stop 3.7 Fagus sylvatica (Beech), Yew and Holly in wood near
Grid reference O220609
Amanita rubescens

Stop 3.8 Fagus sylvatica (Beech) log
Grid reference O220609
Ganoderma applanatum
Stereum gausapatum
Exidia thuretiana

Stop 3.9 Fagus sylvatica (Beech)
Grid reference O220610
Hebeloma crustuliniforme
Lactarius blennius

Stop 3.10 Fagus sylvatica (Beech) wood above playground
Grid reference O220610
Lactarius tabidus
Lactarius blennius
Lactarius sp. asymmetrical, grey, tacky cap, fruity smell, stubby and hollow but elastic stem, furrowed, little signs of banding, like L. azonites but milk grey, not going reddish
Mycena leucogala
Mycena sp.
Laccaria laccata
Inocybe fastigiata

Stop 3.11 Sambucus nigra (Elder) and Sycamore downhill in same Beechwood**Grid reference** O220610

Mycena pura

Postia caesia on log

Hyphodontia sambuci on Elder

Boletus edulis

Stop 3.12 Fagus sylvatica (Beech) wood downhill**Grid reference** O220611

Rhytisma acerinum on Sycamore leaf

Ramalina farinacea on ground

Stop 3.13 In wood behind sheds and above castle car park**Grid reference** O220611

Marasmius rotula

Polyporus squamosus on log

Stop 3.14 Quercus, 5 Oaks**Grid reference** O219612

Boletus edulis with Sepedonium chrysospermum

Inocybe fastigiata

Peziza badia – dark form, gregarious on outermost tree on soil

Stop 3.15 Eucalyptus and Sycamore with Birch at verge of castle car park

Grid reference O220611

Cortinarius sp.

Scleroderma areolatum

Ramaria stricta behind Sycamore

Clavulina cristata

Nectria cinnabarina

Exidia thuretiana on twig

Stop 3.16 Wood floor downhill from car park

Grid reference O220612

Evernia prunastri

Stop 3.17 Track downhill to sea

Grid reference O221612

Auricularia auricula-judae on Beech

Rhytisma acerinum on Sycamore leaves

Stop 3.18 Fagus sylvatica (Beech) wood with Elder beyond with grass SE of playground**Grid reference** O222611

Hymenoscyphus fagineus

Hyphodontia sambuci on twig of Beech

Stop 3.19 On gravelly patch in wood, beyond last power line pole**Grid reference** O223611

Scutellinia umbrorum with only tiny marginal lashes

Stop 3.20 Sycamore downhill from gravelly patch**Grid reference** O223611

Armillaria mellea near overhead power line end

Auricularia auricula-judae

Stop 3.21 Acer pseudoplatanus (Sycamore) and Castanea sativa (Sweet Chestnut) by edge of wood with track down from playground towards sea**Grid reference** O223611

Amanita phalloides

Lichen

Flavoparmelia caperata under Beech on ground

Stop 3.22 Ligustrum (Privet) trees**Grid reference** O223611

Opegrapha atra

Auricularia auricula-judae

Postia caesia on log in wood

Dacrymyces stillatus

Mollisia cinerea

Stop 3.23 Wood near bottom corner of property with sea. Elder and Sycamore with lots of Ivy**Grid reference** O224612

Nectria cinnabarina

Auricularia auricula-judae

Stereum gausapatum on twig litter

Hyphodontia sambuci on Elder

Stop 3.24 Tree stump under Beech with Sycamore, coltsfoot more than Ivy here**Grid reference** O224612

Mycena sp. on tree stump

Stop 3.25 Oaks near railway at bottom corner of wood and site**Grid reference** O224612

Cortinarius sp. small brown umbonate

Scleroderma citrinum

Laccaria laccata

Lycoperdon pyriforme

Russula sp.

Ramaria stricta

Auricularia auricula-judae

Hypholoma fasciculare on Sycamore

Rutstroemia luteovirescens little pale green patinas on stalks on twigs

Lichens on Oak

Ramalina calicaris

Xanthoria parietina

Schismatomma decolorans

Chrysothrix candelaris – tiny amount

Pyrrhospora quernea

Ramalina farinacea

Diploicia canescens

Parmelia sulcata

Parmotrema perlatum

Stop 3.26 Salix (Willow) with Castanea sativa (Sweet chestnut)**Grid reference** O224611

Hebeloma sp.

Laccaria laccata

Lichens

Ramalina farinacea

Lecidella elaeochroma

Physcia tenella

Lecanora chlorotera

Pertusaria albescens

Green alga

Stop 3.27 Acer pseudoplatanus (Sycamore)**Grid reference** O224611

Lichens

Parmotrema perlatum

Pertusaria albescens

Physcia tenella

Ramalina fastigiata

Flavoparmelia caperata

Ramalina farinacea

Stop 3.28 Salix (Willow) with Ash nearby**Grid reference** O223611

Lepiota cristata

Hypholoma fasciculare

Nolanea sp.

Rutstroemia luteovirescens, small green on twiggy stems here also

Stop 3.29 Grass at base of site just above wood**Grid reference** O223612

Unknown brown slightly gelatinous mushroom, opaque

Stop 3.30 Sambucus nigra (Elder) and Lime at entrance of wood and bottom of site**Grid reference** O223612

Marasmius rotula

Inocybe fastigiata

Stop 3.31 Acer pseudoplatanus (Sycamore) and Elder at fork in path**Grid reference** O221617

Trametes versicolor

Stereum hirsutum

Lepiota cristata

Stop 3.32 After fork and bridge over railway**Grid reference** O221617

Psathyrella candolleana

Auricularia auricula-judae

Stop 3.33 By path in moss under Maple and Beech near railway bridge. Elder and Sycamore here also

Grid reference O221617

Psathyrella microrhiza

Mycena filopes

Scleroderma citrinum

Inocybe geophylla var. *lilacina*

Laccaria laccata

Cortinarius sp. Ribbed, brown

Stop 3.34 *Acer pseudoplatanus* (Sycamore) and Elder on soil at corner of fork in path

Grid reference O219619

Agaricus bisporus (rather scaly)

Lycoperdon pyriforme at edge of soil bank at fork in woods also

Xylaria polymorpha on stump by path near fork also

Stop 3.35 Wood by stubble field edge of property. Under Beech and lots of Ivy and Sycamore

Grid reference O218619

Agaricus xanthodermus

Ramalina canariensis (large sample)

Stop 3.36 *Aesculus hippocastanum* (Horse chestnut)

Grid reference O218619

Collybia confluens

Stop 3.37 Towards wall at very corner of property

Grid reference O218620

Auricularia auricula-judae

Hyphodontia sambuci on Elder

Calocera cornea On Sycamore log

Stop 3.38 *Acer pseudoplatanus* (Sycamore) and Horse chestnut. Working back to main path from northern corner of site.

Grid reference O218619

Cortinariaceae, brown, stellate

Woodrush, ferns, bramble, ivy

Stop 3.39 *Aesculus hippocastanum* (Horse chestnut) almost at edge of this part of wood

Grid reference O218619

Collybia dryophila

Stop 3.40 Grass near *Larix decidua* (Larch) and strip of wood at edge of property

Grid reference O217618

Hygrocybe conica

Stop 3.41 Wood at edge of path by Holly, Elder and Ivy near waste vegetation dump

Grid reference O219619

Clavulina cinerea

Ganoderma sp.

Stop 3.42 Moss and liverwort under Maple and fork in paths in wood

Grid reference O219619

Lepiota castanea

Peziza badia

Stop 3.43 Wood

Grid reference O221617

Calvatia gigantea still here from previous day but brown and larger

Stop 3.44 *Acer pseudoplatanus* (Sycamore) near fork in path again

Grid reference O219617

Lycoperdon pyriforme

Stop 3.45 *Acer pseudoplatanus* (Sycamore) with ferns with Periwinkle and Elder

Grid reference O219617

Inocybe fastigiata

Stop 3.46 *Sambucus nigra* (Elder)

Grid reference O219617

Auricularia auricula-judae

Nearby

Armillaria mellea

Xylaria polymorpha

Mycena polygramma

Stop 3.47 Stump nearby

Grid reference O219617

Hypholoma fasciculare

Stop 3.48 *Acer pseudoplatanus* (Sycamore) and Elder with *Rhododendron*

Grid reference O219617

Agaricus arvensis

Hyphodontia sambuci

Stop 3.49 *Sambucus nigra* (Elder)

Grid reference O219617

Trametes versicolor

Stop 3.50 *Prunus laurocerasi* (Laurel) and Elder by soil bank by path

Grid reference O218616

Auricularia auricula-judae

Hypholoma fasciculare

Mycena ?flavescens

Indet. bracket fungus on Laurel

Stop 3.51 Edge of wood near lawn, on soil by stump with Sycamore, Beech and Elder

Grid reference O218615

Peziza badia

Stop 3.52 Slope from bush downhill from castle, in lawn

Grid reference O218615

Hygrocybe conica

Lycoperdon gone over

Nolanea hirtipes

Stop 3.53 *Acer pseudoplatanus* (Sycamore), brambles and near Ash off path near edge of property nearer castle

Grid reference O217614

Entoloma sp.

Stop 3.54 *Acer pseudoplatanus* (Sycamore) by path and near seat in wood to south of castle at edge of grounds

Grid reference O217614

Boletus edulis

Stop 3.55 *Quercus* (Oak) opposite

Grid reference O217614

Marasmius rotula

Ganoderma applanatum

Hypholoma fasciculare

Trametes versicolor on fallen logs of Oak

Stop 3.56 *Prunus laurocerasi* (Laurel), dense and tall

Grid reference O217613

Boletus edulis with *Sepedonium chrysospermum*

Stop 3.57 *Acer pseudoplatanus* (Sycamore) on open burrowed area at edge of wood uphill from last stop

Grid reference O216613

Lycoperdon pyriforme

Conocybe ochracea

Lichens

Evernia prunastri

Ramalina fastigiata

Stop 3.58 *Plunus laurocerasi* (Laurel), Sycamore near walled garden and Ash tag #2235

Grid reference O217613

Collybia confluens

Marasmius rotula under Sycamore

Lycoperdon pyriforme

Lichens

Ramalina farinacea on ground

Parmelia sulcata on ground

Stop 3.59 By shrub near walled garden

Grid reference O216612

Coprinus comatus

Stop 3.60 Entrance to walled garden, under Beech opposite gate

Grid reference O216612

Bolete gone over

Lactarius sp.

Amanita phalloides

Xerocomus chrysenteron in gravel

Inocybe fastigiata

Inocybe geophylla var. lilacina

Stop 3.61 Fagus sylvatica (Beech) log

Grid reference O216611

Near the original corner where there were lots of Agarics

Indet. white bracket on log

Stop 3.62 Taxus baccata (Yew) by stone bridge uphill from picnic area by castle

Grid reference O218611

Macrolepiota procera

Stop 3.63 Fraxinus excelsior (Ash) and Oak on avenue

Grid reference O218606

Orobanche hederæ (Ivy broomrape) under Olearia

Stop 3.64 Fraxinus excelsior (Ash), Beech on grass of avenue

Grid reference O218606

Hygrocybe conica

Stop 3.65 Castanea sativa (Sweet Chestnut) and Maple by exit from car park

Grid reference O218606

Boletus porosporus

Hebeloma crustuliniforme

Hygrocybe pratensis var. pallida

Cortinarius sp.

Stop 3.66 Castanea sativa (Sweet Chestnut)

Grid reference O218605

Clavaria vermicularis

Laccaria laccata

Helvella crispa

Clavulinopsis corniculata

Stop 3.67 Avenue from car park

Grid reference O218605

Marasmius rotula

Lycoperdon gone over

Stop 3.68 Castanea sativa (Sweet Chestnut)

Grid reference O218605

Cortinarius sp. Doubtfully C. melliolens as cap and gill details quite close. However literature on the Cortinarius group is not enough to assign this mushroom

Stop 3.69 *Castanea sativa* (Sweet Chestnut) opposite entrance sign on 'In' avenue

Grid reference O218604

Paxillus involutus 17cm across POISONOUS

Stop 3.70 Grass of car park under *Populus alba* (Poplar)

Grid reference O218606

Paxillus involutus

Ardgillan Demesne Mycorec Database Report

Taxonomic index

Anamorphic fungi

coelomycetous anamorph

Phoma samararum

15726, *Fraxinus excelsior*, Ash keys, woodland, Site: Ardgillan, O215609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 17.

Vouauxiella lichenicola

15687, *Lecanora chlarotera*, *Fraxinus excelsior*, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

hyphomycetous anamorph

Lepraria incana

as *Lepraria incana* agg., 15720, limestone rock, garden wall, Site: Ardgillan, O217611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 12. Underhang.

as *Lepraria incana* agg., 15970, *Quercus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

Ascomycota

Ascomycetes

Arthoniales

Arthoniaceae

Arthonia radiata

15694, *Fraxinus excelsior*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

Chrysothricaceae

Chrysothrix candelaris

15662, *Acer pseudoplatanus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

15968, *Quercus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

15681, *Quercus*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 5. Girth 232 cm. By castle.

16063, *Quercus*, bark, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood. Tiny amount. Bark with Ivy climbing.

Roccellaceae

Enterographa crassa

15666, *Acer pseudoplatanus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

15978, *Fagus sylvatica*, bark, woodland, Site: Ardgillan, O220608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.2. Ivy also.

15678, *Tilia*, trunk, woodland, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 2. Tree near castle. Ivy.

Opegrapha atra

15697, *Fraxinus excelsior*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

15747, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 26. Tree tag#2484.

16040, *Ligustrum*, bark, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.22.

Opegrapha varia

15685, *Quercus*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 5. Girth 232 cm.

Opegrapha vulgata

15665, *Acer pseudoplatanus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

15739, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 23. Girth 188 cm. Tree tag#2463.

Schismatomma cretaceum

15932, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.24.

Schismatomma decolorans

15671, *Acer pseudoplatanus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

15960, *Quercus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

15682, *Quercus*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 5. Girth 232 cm.

16062, *Quercus*, bark, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

Erysiphales**Erysiphaceae*****Microsphaera alphitoides***

15878, *Quercus*, leaf, parkland & scattered trees, Site: Ardgillan, O218611, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 12/09/2006, Notes: Stop 2.3. Tree planted in memory of John Keogh, December 1996.

Helotiales**Dermateaceae*****Mollisia cinerea***

16044, log, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.22.

15905, *Acer pseudoplatanus*, wood, woodland, Site: Ardgillan, O220616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.16.

Helotiaceae***Hymenoscyphus fagineus***

16033, *Fagus sylvatica*, wood, woodland, Site: Ardgillan, O222611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.18. Elder also.

15735, *Fagus sylvatica*, beech nut, avenue, Site: Ardgillan, O217604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 22. On ground.

Rutstroemiaceae***Lanzia luteovirescens***

as *Rutstroemia luteovirescens*, 16059, *Acer pseudoplatanus*, stalks, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood with Oaks.

as *Rutstroemia luteovirescens*, 16085, *Salix*, twig stems, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.28. Ash also here.

Hypocreales**Hypocreaceae*****Hypomyces chrysospermus***

as *Sepedonium chrysospermum*, 16020, *Boletus edulis*, *Quercus*, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.14. Five oaks.

as *Sepedonium chrysospermum*, 16139, *Boletus edulis*, *Prunus laurocerasus*, woodland, Site: Ardgillan, O217613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.56. Dense tall growth of Laurel.

as *Sepedonium chrysospermum*, 15975, *Xerocomus chrysenteron*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

Nectriaceae***Nectria cinnabarina***

16045, wood, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.23. Elder and Sycamore with Ivy.

15950, wood, woodland, Site: Ardgillan, O219618, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.29.

16027, *Betula*, wood, woodland edge, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.15. Eucalyptus and Sycamore here also, by car park.

15730, *Fagus sylvatica*, sticks, woodland, Site: Ardgillan, O216608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 20. Near makeshift hide with wooden seat inside.

Nectria coccinea

15919, *Acer pseudoplatanus*, wood, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.

Nectria peziza

15734, *Polyporus squamosus*, *Fagus sylvatica*, avenue, Site: Ardgillan, O217604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 21. On Dryad Saddle, fallen from high on trunk of tree.

Lecanorales**Bacidiaceae*****Bacidia rubella***

15745, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 26. Tree tag#2484.

Hymeneliaceae***Aspicilia calcarea***

15716, limestone rock, garden wall, Site: Ardgillan, O217611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 11. Above area of grouting, as lichens below have died.

Aspicilia contorta

15754, limestone, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 01/09/2006, Notes: Stop 32. Curb of entrance road.

Lecanoraceae***Lecanora carpinea***

15689, *Fraxinus excelsior*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

15711, *Quercus*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

Lecanora chlorotera

15672, *Acer pseudoplatanus*, twigs, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

15873, *Cedrus libani*, twigs, parkland & scattered trees, Site: Ardgillan, O218610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.2. Tag #0960.

15981, *Fagus sylvatica*, fallen twig, woodland, Site: Ardgillan, O220608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.2.

15686, *Fraxinus excelsior*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

- 15737, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 23. Girth 188 cm. Tree tag#2463.
- 15746, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 26. Tree tag#2484.
- 15710, *Quercus*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.
- 16074, *Salix*, bark, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.26. Castanea sativa here also.

Lecanora expallens

- 15875, *Cedrus libani*, bark, parkland & scattered trees, Site: Ardgillan, O218610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.2. Tag #0960.
- 15693, *Fraxinus excelsior*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

Lecidella elaeochroma* f. *elaeochroma

- as *Lecidella elaeochroma*, 15870, *Cedrus libani*, twigs, parkland & scattered trees, Site: Ardgillan, O218610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.2. Tag #0960.
- as *Lecidella elaeochroma*, 15696, *Fraxinus excelsior*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.
- as *Lecidella elaeochroma*, 15748, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 26. Tree tag#2484.
- as *Lecidella elaeochroma*, 15713, *Quercus*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.
- as *Lecidella elaeochroma*, 16072, *Salix*, twigs, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.26. Castanea sativa here also.

Pyrrhospora querneae

- 15740, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 23. Girth 188 cm. Tree tag#2463.
- 15683, *Quercus*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 5. Girth 232 cm.
- 16064, *Quercus*, bark, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.
- 15969, *Quercus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

Parmeliaceae***Evernia prunastri***

- 16030, ground, woodland, Site: Ardgillan, O220612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.16 downhill from car park.
- 15916, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.
- 16142, *Acer pseudoplatanus*, twigs, woodland edge, Site: Ardgillan, O216613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.57. Animal burrows here.
- 15961, *Quercus*, twigs, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.
- 15702, *Quercus*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

Flavoparmelia caperata

- 16080, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.27.
- 15913, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.
- 15669, *Acer pseudoplatanus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.
- 15871, *Cedrus libani*, bark, parkland & scattered trees, Site: Ardgillan, O218610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.2. Tag #0960.
- 16039, *Fagus sylvatica*, ground, woodland edge, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.21 Castanea sativa here also, by path downhill from playground.
- 15690, *Fraxinus excelsior*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.
- 15704, *Quercus*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

Melanelia subaurifera

- 15674, *Acer pseudoplatanus*, twigs, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.
- 15701, *Quercus*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

Parmelia sulcata

- 15922, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O220617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.22.
- 15915, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.
- 16149, *Acer pseudoplatanus*, fallen twig, woodland edge, Site: Ardgillan, O217613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.58. Laurel near walled garden and Ash tag #2235.
- 15979, *Fagus sylvatica*, fallen twig, woodland, Site: Ardgillan, O220608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.2.
- 15705, *Quercus*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

15965, *Quercus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

16067, *Quercus*, bark, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

Parmotrema chinense

as *Parmotrema perlatum*, 16076, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.27.

as *Parmotrema perlatum*, 15688, *Fraxinus excelsior*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

as *Parmotrema perlatum*, 15966, *Quercus*, twigs, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

as *Parmotrema perlatum*, 16068, *Quercus*, bark, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

Physciaceae

Diploicia canescens

15664, *Acer pseudoplatanus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

15869, *Cedrus libani*, bark, parkland & scattered trees, Site: Ardgillan, O218610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.2. Tag #0960.

15684, *Quercus*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 5. Girth 232 cm. Lichen fruiting.

15964, *Quercus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

16066, *Quercus*, bark, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

15707, *Quercus*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

15676, *Tilia*, trunk, woodland, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 2. Tree near castle. Ivy.

Phaeophyscia orbicularis

15924, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O220617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.22.

Physcia adscendens

15709, *Quercus*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

Physcia tenella

16078, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.27.

15667, *Acer pseudoplatanus*, twigs, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

15872, *Cedrus libani*, twigs, parkland & scattered trees, Site: Ardgillan, O218610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.2. Tag #0960.

15695, *Fraxinus excelsior*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

15706, *Quercus*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

16073, *Salix*, twigs, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.26. Castanea sativa here also.

Ramalinaceae

Ramalina calicaris

16060, *Quercus*, twigs, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

Ramalina canariensis

15663, *Acer pseudoplatanus*, twigs, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

16103, *Fagus sylvatica*, twigs, woodland, Site: Ardgillan, O218619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.35. Sycamore here.

15700, *Quercus*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

Ramalina farinacea

15921, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O220617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.22.

16081, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.27.

15914, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.

16148, *Acer pseudoplatanus*, fallen twig, woodland edge, Site: Ardgillan, O217613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.58. Laurel near walled garden and Ash tag #2235.

16016, *Acer pseudoplatanus*, loose on ground, woodland, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.12. Beech here also.

16065, *Quercus*, twigs, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

15962, *Quercus*, twigs, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

16071, *Salix*, twigs, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.26. Castanea sativa here also.

15677, *Tilia*, twigs, woodland, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 2. Tree near castle. Ivy.

Ramalina fastigiata

16079, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.27.

16143, *Acer pseudoplatanus*, twigs, woodland edge, Site: Ardgillan, O216613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.57. Animal burrows here.

15980, *Fagus sylvatica*, fallen twig, woodland, Site: Ardgillan, O220608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.2.

15963, *Quercus*, twigs, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

15712, *Quercus*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

Pertusariales

Pertusariaceae

Pertusaria albescens* var. *albescens

as *Pertusaria albescens*, 16077, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.27.

as *Pertusaria albescens*, 15917, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.

as *Pertusaria albescens*, 15670, *Acer pseudoplatanus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

as *Pertusaria albescens*, 15749, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 26. Tree tag#2484.

as *Pertusaria albescens*, 16075, *Salix*, bark, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.26. Castanea sativa here also.

Pertusaria hymenea

15738, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 23. Girth 188 cm. Tree tag#2463.

15967, *Quercus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle.

Pertusaria pertusa

15668, *Acer pseudoplatanus*, bark, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

15736, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 23. Girth 188 cm. Tree tag#2463. Lichen with parasite.

15692, *Fraxinus excelsior*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

Pezizales

Helvellaceae

Helvella crispa

16165, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.66. Acer also by exit from car park.

Pezizaceae

Peziza badia

16113, *Acer*, soil, woodland, Site: Ardgillan, O219619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.42. Fork in path. Mosses and liverworts here.

16128, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O218615, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.51. By tree stumps, near Elder and Beech.

16022, *Quercus*, wood, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.14. Five oaks.

Pyronemataceae

Otidea bufonia

15973, *Quercus*, wood, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle. Deadly poisonous.

Scutellinia umbrorum

16035, gravel, woodland, Site: Ardgillan, O222611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.19. Near last power line pole.

Sarcoscyphaceae

Sarcoscypha coccinea

15929, *Prunus laurocerasus*, soil, woodland, Site: Ardgillan, O220617, Dublin, Col.: Howard Fox, Det.: Howard Fox, 12/09/2006, Notes: Stop 2.23b. Group visit early 2005 with group from National Botanic Gardens.

Rhytismatales

Rhytismataceae

Rhytisma acerinum

15896, *Acer pseudoplatanus*, leaves, woodland edge, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.12.

15699, *Acer pseudoplatanus*, leaves, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 7. Near tea rooms of Castle.

16032, *Acer pseudoplatanus*, leaf, woodland, Site: Ardgillan, O221612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.17. Track downhill to sea.

16015, *Acer pseudoplatanus*, leaf, woodland, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.12. Beech here also.

Teloschistales**Fuscideaceae*****Fuscidea lightfootii***

15698, *Fraxinus excelsior*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

Teloschistaceae***Caloplaca citrina***

15719, limestone rock, garden wall, Site: Ardgillan, O217611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 11. Above area of grouting, as lichens below have died.

Xanthoria candelaria

15874, *Cedrus libani*, twigs, parkland & scattered trees, Site: Ardgillan, O218610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.2. Tag #0960.

Xanthoria parietina

15673, *Acer pseudoplatanus*, twigs, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1. Girth 157 cm. Tree near castle and lower car park.

15918, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.

15923, *Acer pseudoplatanus*, twigs, woodland, Site: Ardgillan, O220617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.22.

15691, *Fraxinus excelsior*, bark, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 6. Near tea rooms of Castle.

16061, *Quercus*, twigs, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

15703, *Quercus*, twigs, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 8. Girth 49 cm. Young tree in front of Castle near passageway to rose garden.

Verrucariales**Verrucariaceae*****Verrucaria baldensis***

15717, limestone rock, garden wall, Site: Ardgillan, O217611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 11. Above area of grouting, as lichens below have died.

Verrucaria nigrescens

15718, limestone rock, garden wall, Site: Ardgillan, O217611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 11. Above area of grouting, as lichens below have died.

Xylariales**Xylariaceae*****Hypoxylon fuscum***

15995, *Fagus sylvatica*, log, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.6.

Xylaria hypoxylon

15928, *Acer pseudoplatanus*, wood, woodland, Site: Ardgillan, O220617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.23.

Xylaria polymorpha

15901, *Acer pseudoplatanus*, log, woodland, Site: Ardgillan, O220616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.14.

17526, *Acer pseudoplatanus*, wood, woodland, Site: Ardgillan, O219619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: 3.34. At fork in path.

16119, *Sambucus nigra*, wood, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.46.

Taphrinomycetes**Taphrinales****Taphrinaceae*****Taphrina amentorum***

as *Taphrina alni*, 15751, *Alnus glutinosa*, Alder cones, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 28.

Basidiomycota**Basidiomycetes****Agaricales****Agaricaceae*****Agaricus arvensis***

15721, soil, woodland, Site: Ardgillan, O216611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 13. Corner of path at intersection in woodland.

16122, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.48. Elder and Rhododendron.

Agaricus bisporus

16099, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O219619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.34. Elder here.

Agaricus campestris

15939, soil, woodland edge, Site: Ardgillan, O219616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.25.

15880, *Taxus baccata*, lawn, yew walk, Site: Ardgillan, O218611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.4. Near castle.

Agaricus pilatianus

15742, *Fraxinus excelsior*, soil, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 24. Stump and Castanea sativa nearby.

Agaricus xanthodermus* var. *xanthodermus

as *Agaricus xanthodermus*, 16101, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O218619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.35. Sycamore here.

as *Agaricus xanthodermus*, 15743, *Fraxinus excelsior*, soil, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 24. Stump and *Castanea sativa* nearby.

Lepiota

15898, *Grasses*, soil, lawn, Site: Ardgillan, O219614, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.13. Rose pink cap.

Lepiota castanea

16112, *Acer*, soil, woodland, Site: Ardgillan, O219619, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 21/09/2006, Notes: Stop 3.42. Fork in path. Mosses and liverworts here.

Lepiota cristata

15940, soil, woodland edge, Site: Ardgillan, O219616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.25.

15925, *Acer pseudoplatanus*, soil, woodland edge, Site: Ardgillan, O220617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.22.

16090, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.31. Elder here also, by fork in path.

15755, *Fraxinus excelsior*, soil, avenue, Site: Ardgillan, O219604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 33. Outward avenue.

15959, *Potentilla*, soil, garden, Site: Ardgillan, O217612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.32.

16082, *Salix*, soil, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.28. Ash also here.

Lepiota subincarnata

15984, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.3 Uphill from playground.

Macrolepiota procera

16156, *Taxus baccata*, soil, garden, Site: Ardgillan, O218611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.62. By stone bridge.

Bolbitiaceae***Conocybe siennophylla***

as *Conocybe ochracea*, 16141, *Acer pseudoplatanus*, soil, woodland edge, Site: Ardgillan, O216613, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 21/09/2006, Notes: Stop 3.57. Animal burrows here.

as *Conocybe ochracea*, 15723, *Acer pseudoplatanus*, soil, hedgerow, Site: Ardgillan, O216613, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 01/09/2006, Notes: Stop 15. In grass by hedgerow. Ash also.

as *Conocybe ochracea*, 15897, *Grasses*, soil, lawn, Site: Ardgillan, O219614, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.13.

Hebeloma

16069, *Salix*, soil, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.26. *Castanea sativa* here also.

Hebeloma crustuliniforme

15759, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 01/09/2006, Notes: Stop 37. Inward avenue.

16160, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.65. Acer also by exit from car park.

15976, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.1b. Holly and Ivy also.

16001, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.9.

Hebeloma pusillum

15946, *Castanea sativa*, soil, woodland edge, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 12/09/2006, Notes: Stop 2.27.

Hebeloma sacchariolens

15891, *Quercus*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.10 near castle.

15886, *Quercus ilex*, soil, parkland & scattered trees, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 12/09/2006, Notes: Stop 2.7 by castle.

Panaeolina foenicicii

15868, *Grasses*, soil, lawn, Site: Ardgillan, O218610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.1. Near *Chamaecyparis*.

15941, *Grasses*, soil, lawn, Site: Ardgillan, O218616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.26.

15895, *Grasses*, soil, lawn, Site: Ardgillan, O219613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.11 lawn below castle towards the sea.

15888, *Ilex aquifolium*, soil, parkland & scattered trees, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.8 in front of castle.

15881, *Rosa*, soil, garden, Site: Ardgillan, O217611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.5.

15879, *Taxus baccata*, lawn, yew walk, Site: Ardgillan, O218611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.4. Near castle.

Panaeolus acuminatus

as *Panaeolus rickenii*, 15882, *Rosa*, soil, garden, Site: Ardgillan, O217611, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 12/09/2006, Notes: Stop 2.5.

Clavariaceae***Clavaria fragilis***

as *Clavaria vermicularis*, 16163, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.66. Acer also by exit from car park.

Clavulinopsis corniculata

16166, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.66. Acer also by exit from car park.

Coprinaceae***Coprinus comatus***

15951, soil, woodland, Site: Ardgillan, O219618, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.29.

16150, soil, woodland edge, Site: Ardgillan, O216612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.59. By shrub near walled garden.

15920, *Wellingtonia*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.21. Tag#0950.

Coprinus plicatilis

15752, *Grasses*, soil, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 30.

Lacrymaria lacrymabunda

15911, *Acer pseudoplatanus*, felled tree, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.

Psathyrella candolleana

16091, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/09/2006, Notes: Stop 3.32, near bridge over railway.

Psathyrella microrrhiza

16093, *Acer*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.33. Beech also. Near bridge over railway.

Cortinariaceae***Cortinarius***

16098, *Acer*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.33. Beech also. Near bridge over railway.

16023, *Betula*, wood, woodland edge, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.15. Eucalyptus and Sycamore here also.

16162, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.65. Acer also by exit from car park.

16050, *Quercus*, soil, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

Cortinarius mellioles

16169, Doubtful record, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.68. Not enough literature to decide.

Inocybe geophylla* var. *lilacina

16096, *Acer*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.33. Beech also. Near bridge over railway.

15945, *Castanea sativa*, soil, woodland edge, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.27.

16155, *Fagus sylvatica*, soil, woodland edge, Site: Ardgillan, O216612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.60. By entrance to walled garden.

Inocybe griseolilacina

15947, *Castanea sativa*, soil, woodland edge, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.27. New to Dublin.

Inocybe napipes

15983, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.2.

Inocybe rimosa* var. *rimosa

as *Inocybe fastigiata*, 15952, soil, woodland, Site: Ardgillan, O219618, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.29.

as *Inocybe fastigiata*, 16116, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.45. Vinca major here with Elder.

as *Inocybe fastigiata*, 15763, *Carpinus betulus*, soil, parkland & scattered trees, Site: Ardgillan, O221611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 01/09/2006, Notes: Stop 40. Young planted trees near playground.

as *Inocybe fastigiata*, 16009, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.10. Above playground.

as *Inocybe fastigiata*, 16154, *Fagus sylvatica*, soil, woodland edge, Site: Ardgillan, O216612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.60. By entrance to walled garden.

as *Inocybe fastigiata*, 15982, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.2.

as *Inocybe fastigiata*, 16021, *Quercus*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.14. Five oaks.

as *Inocybe fastigiata*, 15884, *Quercus*, soil, lawn, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.6.

as *Inocybe fastigiata*, 16087, *Sambucus nigra*, soil, woodland, Site: Ardgillan, O223612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.30. Wood at base of site. Lime also here.

Entolomataceae***Entoloma***

16132, *Acer pseudoplatanus*, soil, lawn, Site: Ardgillan, O217614, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.53. Brambles and Ash.

as *Nolanea*, 16084, *Salix*, soil, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.28. Ash also here.

Entoloma hirtipes

as *Nolanea hirtipes*, 16131, Grasses, soil, lawn, Site: Ardgillan, O218615, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.52. Slope from bush downhill from castle.

Entoloma sericeum

15926, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O220617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.23.

Hydnangiaceae***Laccaria laccata***

16097, *Acer*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.33. Beech also. Near bridge over railway.

15762, *Carpinus betulus*, soil, parkland & scattered trees, Site: Ardgillan, O221611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 40. Young planted trees near playground.

16164, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.66. *Acer* also by exit from car park.

15943, *Castanea sativa*, soil, woodland edge, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.27.

15758, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 36. Inward avenue. Young tree.

16008, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.10. Above playground.

15715, Grasses, soil, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 10. The Deceiver, in grass by Castle Tower.

15877, *Quercus*, soil, parkland & scattered trees, Site: Ardgillan, O218611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.3. With parasite. Tree planted in memory of John Keogh, 1996.

16052, *Quercus*, soil, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

15890, *Quercus*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.10 near castle.

15887, *Quercus ilex*, soil, parkland & scattered trees, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.7 by castle.

16070, *Salix*, soil, woodland, Site: Ardgillan, O224611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.26. *Castanea sativa* here also.

Lycoperdaceae***Bovista nigrescens***

15680, *Quercus*, soil, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 4. Puffballs, squashed and kicked.

Calvatia gigantea

15910, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.

16114, *Rubus fruticosus* agg., soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.43. Here from previous day, larger and brown now.

Lycoperdon

16168, *Castanea sativa*, wood, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.67. Avenue from car park. Specimen too decayed.

16130, Grasses, soil, lawn, Site: Ardgillan, O218615, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.52. Slope from bush downhill from castle. Specimen in decayed state.

Lycoperdon pyriforme

16115, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.44.

16100, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O219619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.34. Elder here.

16140, *Acer pseudoplatanus*, soil, woodland edge, Site: Ardgillan, O216613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.57. Animal burrows here.

16146, *Acer pseudoplatanus*, wood, woodland edge, Site: Ardgillan, O217613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.58. Laurel near walled garden and Ash tag #2235.

15753, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 31.

16053, *Quercus*, soil, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

Vascellum pratense

15889, Grasses, soil, parkland & scattered trees, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.9 in front of castle.

Marasmiaceae***Armillaria mellea***

16036, *Acer pseudoplatanus*, wood, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.20. Near end of power line.

15900, *Acer pseudoplatanus*, log, woodland, Site: Ardgillan, O220616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.14.

15765, *Fagus sylvatica*, lignum, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 41. Straps of Honey fungus on fallen tree.

16118, *Sambucus nigra*, wood, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.46.

Macrocystidia cucumis

15957, *Potentilla*, soil, garden, Site: Ardgillan, O217612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.32. Last reported from Dublin 1898.

Marasmius oreades

- 15729, *Acer pseudoplatanus*, grass, woodland, Site: Ardgillan, O216608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 19.
- 15724, *Acer pseudoplatanus*, soil, hedgerow, Site: Ardgillan, O216613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 15. In grass by hedgerow. Ash also.
- 15714, *Grasses*, soil, garden, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 9. Fairy ring champignon in grass by Castle Tower.
- 16012, *Grasses*, soil, lawn, Site: Ardgillan, O220608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.1. Adjacent to car park.
- 15883, *Grasses*, soil, lawn, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.6.
- 15942, *Grasses*, soil, lawn, Site: Ardgillan, O218616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.26. Grasses darker green in 'fairy rings'.
- 15885, *Quercus ilex*, soil, parkland & scattered trees, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.7 by castle.

Marasmius rotula

- 15936, soil, woodland edge, Site: Ardgillan, O219616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.25.
- 16017, soil, woodland, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.13. Behind sheds near castle car park.
- 16145, *Acer pseudoplatanus*, soil, woodland edge, Site: Ardgillan, O217613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 3.58. Laurel near walled garden and Ash tag #2235.
- 16167, *Castanea sativa*, wood, avenue, Site: Ardgillan, O218605, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.67. Avenue from car park.
- 15741, *Fraxinus excelsior*, bark, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 24. Stump and *Castanea sativa* nearby.
- 16134, *Quercus*, wood, lawn, Site: Ardgillan, O217614, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.55.
- 16086, *Sambucus nigra*, twig stems, woodland, Site: Ardgillan, O223612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.30 Wood at base of site. Lime also here.

Pluteaceae**Amanita phalloides**

- 16038, *Acer pseudoplatanus*, wood, woodland edge, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.21 *Castanea sativa* here also, by path downhill from playground.
- 16152, *Fagus sylvatica*, soil, woodland edge, Site: Ardgillan, O216612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.60. By entrance to walled garden.

Amanita rubescens var. rubescens

- as *Amanita rubescens*, 15997, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.7 Yew and Holly here also.

Strophariaceae**Hypholoma fasciculare**

- 16121, stump, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.47.
- 16057, *Acer pseudoplatanus*, wood, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.
- 15985, *Fagus sylvatica*, log, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.3 Uphill from playground.
- 16126, *Prunus laurocerasus*, wood, woodland, Site: Ardgillan, O218616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.50. By soil bank near path. Elder here also.
- 16136, *Quercus*, wood, lawn, Site: Ardgillan, O217614, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.55.
- 16083, *Salix*, soil, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.28. Ash also here.

Tricholomataceae**Clitocybe dealbata**

- 15971, *Quercus*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle. Deadly poisonous.

Collybia butyracea var. butyracea

- as *Collybia butyracea*, 15956, *Potentilla*, soil, garden, Site: Ardgillan, O217612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.32.

Collybia confluens

- 16144, *Acer pseudoplatanus*, soil, woodland edge, Site: Ardgillan, O217613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.58. Laurel near walled garden and Ash tag #2235.
- 16104, *Aesculus hippocastanum*, soil, woodland, Site: Ardgillan, O218619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.36.
- 15760, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O218604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 38. *Acer pseudoplatanus*, *Quercus* and *Hedera helix* here also.
- 15993, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.5.
- 15955, *Potentilla*, soil, garden, Site: Ardgillan, O217612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.32.

Collybia dryophila

- 16108, *Aesculus hippocastanum*, soil, woodland, Site: Ardgillan, O218619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.39.
- 15989, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.5.
- 15894, *Quercus*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.10 near castle.

Cystoderma amianthinum

- 15938, soil, woodland edge, Site: Ardgillan, O219616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.25.

15927, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O220617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.23.

Hygrocybe conica* var. *conica

as *Hygrocybe conica*, 15902, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O220616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.15. With Elder, Snowberry, Ivy, Dryopteris.

as *Hygrocybe conica*, 16157, *Fagus sylvatica*, grass, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.64. Ash here also.

as *Hygrocybe conica*, 16109, *Grasses*, soil, lawn, Site: Ardgillan, O217618, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.40. Near Larches.

as *Hygrocybe conica*, 15948, *Grasses*, soil, lawn, Site: Ardgillan, O218617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.28.

as *Hygrocybe conica*, 16129, *Grasses*, soil, lawn, Site: Ardgillan, O218615, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.52. Slope from bush downhill from castle.

as *Hygrocybe conica*, 15953, *Grasses*, soil, lawn, Site: Ardgillan, O217618, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.30.

Hygrocybe pratensis* var. *pallida

16161, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.65. *Acer* also by exit from car park.

Mycena

16049, stump, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.24. Under Beech with Sycamore, Coltsfoot and Ivy.

15937, wood, woodland edge, Site: Ardgillan, O219616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.25.

16007, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.10. Above playground.

15958, *Potentilla*, soil, garden, Site: Ardgillan, O217612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.32.

15893, *Quercus*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.10 near castle.

15909, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O220616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.19.

Mycena epipterygia* var. *epipterygia

as *Mycena epipterygia*, 15944, *Castanea sativa*, soil, woodland edge, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.27.

Mycena filopes

16094, *Acer*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.33. Beech also. Near bridge over railway.

Mycena flavescens

16127, Doubtful record, *Prunus laurocerasus*, wood, woodland, Site: Ardgillan, O218616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.50. By soil bank near path. Elder here also.

Mycena galopus* var. *nigra

as *Mycena leucogala*, 16006, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.10. Above playground.

Mycena polygramma

16120, *Sambucus nigra*, wood, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.46.

Mycena pura* var. *pura

as *Mycena pura*, 15990, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.5.

as *Mycena pura*, 16010, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.11. Sycamore and Elder also.

as *Mycena pura*, 15986, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 11/09/2006, Notes: Stop 3.4.

Auriculariales

Auriculariaceae

Auricularia auricula-judae

16092, twigs, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.32. Near bridge over railway.

16037, *Acer pseudoplatanus*, wood, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.20.

15912, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.20.

15935, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.24. Vinca major on ground here.

16105, *Aesculus hippocastanum*, bough, woodland, Site: Ardgillan, O218620, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.37. Near wall at corner of property with railway line.

16031, *Fagus sylvatica*, bark, woodland, Site: Ardgillan, O221612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.17. Track downhill to sea.

16041, *Ligustrum*, bark, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.22.

16125, *Prunus laurocerasus*, wood, woodland, Site: Ardgillan, O218616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.50. By soil bank near path. Elder here also.

16056, *Quercus*, soil, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

15731, *Sambucus nigra*, sticks, woodland, Site: Ardgillan, O216608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 20. Near makeshift hide with wooden seat inside.

- 16046, *Sambucus nigra*, wood, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.23. Elder and Sycamore with Ivy.
- 15994, *Sambucus nigra*, wood, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.5.
- 15930, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O220617, Dublin, Col.: Howard Fox, Det.: Howard Fox, 12/09/2006, Notes: Stop 2.23b. Group visit early 2005 with group from National Botanic Gardens.
- 15934, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.24. Vinca major on ground here.
- 16117, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.46.
- 15908, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O220616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.19.

Boletales

Boletaceae

Boletus albidus

- 15974, *Quercus*, wood, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle. New to Dublin.

Boletus edulis

- 16133, *Acer pseudoplatanus*, soil, lawn, Site: Ardgillan, O217614, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.54. Near seat in wood.
- 16138, *Prunus laurocerasus*, soil, woodland, Site: Ardgillan, O217613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.56. Dense tall growth of Laurel.
- 16019, *Quercus*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.14. Five oaks.
- 16014, *Sambucus nigra*, wood, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.11. Sycamore and Beech also.
- 15757, *Ulmus*, soil, avenue, Site: Ardgillan, O219604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 35. Inward avenue, near outer gates. Fraxinus excelsior here also.

Xerocomus chrysenteron

- 16153, *Fagus sylvatica*, gravel, woodland edge, Site: Ardgillan, O216612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.60. By entrance to walled garden.
- 15761, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O218604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 38. *Acer pseudoplatanus*, *Quercus* and *Hedera helix* here also.
- 15972, *Quercus*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.33. Five oaks near castle. Deadly poisonous.
- 15892, *Quercus*, soil, garden, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.10 near castle.

Xerocomus porosporus

- as *Boletus porosporus*, 16159, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.65. *Acer* also by exit from car park.

Paxillaceae

Paxillus involutus

- 16170, *Castanea sativa*, soil, avenue, Site: Ardgillan, O218604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.69. 17 cm across. 'Inward' avenue. Poisonous.
- 15744, *Fraxinus excelsior*, soil, avenue, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 25. Near *Acer pseudoplatanus*. Many fruits. Poisonous.
- 15750, *Populus*, soil, car park, Site: Ardgillan, O218606, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 01/09/2006, Notes: Stop 27. Grassy area. Poisonous.
- 16171, *Populus alba*, grass, car park, Site: Ardgillan, O218604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.70.

Sclerodermataceae

Scleroderma areolatum

- 16024, *Betula*, wood, woodland edge, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.15. Eucalyptus and Sycamore here also, by car park.

Scleroderma citrinum

- 16095, *Acer*, soil, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.33. Beech also. Near bridge over railway.
- 16051, *Quercus*, soil, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

Cantharellales

Clavulinaceae

Clavulina cinerea

- 16110, *Ilex aquifolium*, soil, woodland edge, Site: Ardgillan, O219619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.41. Elder and Ivy here.

Clavulina coralloides

- as *Clavulina cristata*, 16026, *Betula*, soil, woodland edge, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.15. Eucalyptus and Sycamore here also, by car park.

Dacrymycetales

Dacrymycetaceae

Calocera cornea

- 16107, *Acer pseudoplatanus*, log, woodland, Site: Ardgillan, O218620, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.37. Near wall at corner of property with railway line.

Dacrymyces stillatus

- 16043, log, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.22.
- 15876, *Cedrus libani*, bark, parkland & scattered trees, Site: Ardgillan, O218610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.2. Tag #0960.

Hymenochaetales**Hymenochaetaceae*****Phellinus igniarius***

15756, tree stump, avenue, Site: Ardgillan, O219604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 01/09/2006, Notes: Stop 34. Outward avenue, near outer gates.

Schizoporaceae***Hyphodontia sambuci***

16123, *Acer pseudoplatanus*, soil, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.48. Elder and Rhododendron.

16034, *Fagus sylvatica*, twig, woodland, Site: Ardgillan, O222611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.18. Elder also.

15906, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O220616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.17.

15933, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.24. Vinca major on ground here.

16048, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.23. Elder and Sycamore with Ivy.

16106, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O218620, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.37. Near wall at corner of property with railway line.

16013, *Sambucus nigra*, wood, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.11. Sycamore and Beech also.

15931, *Sambucus nigra*, bark, woodland, Site: Ardgillan, O220617, Dublin, Col.: Howard Fox, Det.: Howard Fox, 12/09/2006, Notes: Stop 2.23b. Group visit early 2005 with group from National Botanic Gardens.

Phallales**Ramariaceae*****Ramaria stricta***

16025, *Betula*, wood, woodland edge, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.15. Eucalyptus and Sycamore here also, by car park.

16055, *Quercus*, soil, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

Polyporales**Fomitopsidaceae*****Postia caesia***

16042, log, woodland, Site: Ardgillan, O223611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.22.

16011, *Fagus sylvatica*, log, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.11. Sycamore and Elder also.

Ganodermataceae***Ganoderma***

16111, *Ilex aquifolium*, wood, woodland edge, Site: Ardgillan, O219619, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.41. Elder and Ivy here.

Ganoderma applanatum

15998, log, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.8.

16135, *Quercus*, wood, lawn, Site: Ardgillan, O217614, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.55.

15679, *Quercus*, stump of tree, woodland, Site: Ardgillan, O218612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 3. Tree stump, possibly *Acer pseudoplatanus*, near castle. Ivy.

15954, *Quercus*, stump, woodland edge, Site: Ardgillan, O216611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.31. Tree cut for health and safety reasons.

Ganoderma australe

as *Ganoderma adspersum*, 15675, *Fagus sylvatica*, trunk, woodland, Site: Ardgillan, O219612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 1b. Tree near castle and lower car park. Ivy.

Polyporaceae***Polyporus squamosus***

16018, log, woodland, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.13. Behind sheds near castle car park.

15733, *Fagus sylvatica*, ground, avenue, Site: Ardgillan, O217604, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 21. Dryad Saddle, fallen from high on trunk of tree..

Trametes versicolor

16088, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.31. Elder here also, by fork in path.

15904, *Acer pseudoplatanus*, wood, woodland, Site: Ardgillan, O220616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.15. With Elder, Snowberry, Ivy, Dryopteris.

15977, *Fagus sylvatica*, stump, woodland, Site: Ardgillan, O220608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.1b. Holly and Ivy also.

15722, *Quercus*, stump of tree, woodland, Site: Ardgillan, O216611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 01/09/2006, Notes: Stop 14. Near intersection in woodland.

16137, *Quercus*, wood, log, lawn, Site: Ardgillan, O217614, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.55.

16124, *Sambucus nigra*, wood, woodland, Site: Ardgillan, O219617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.49.

Russulales**Peniophoraceae*****Peniophora lycii***

15725, *Fraxinus excelsior*, stick, woodland, Site: Ardgillan, O216613, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 16. Sycamore and Ivy in woodland also.

Russulaceae***Lactarius***

16005, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.10. Above playground.

16151, *Fagus sylvatica*, soil, woodland edge, Site: Ardgillan, O216612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.60. By entrance to walled garden.

Lactarius blennius

16004, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.10. Above playground.

16002, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.9.

Lactarius subdulcis

15728, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O215609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 18. Also Ash, Holly and Ivy here.

Lactarius tabidus

16003, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220610, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.10. Above playground.

Russula

16054, *Quercus*, soil, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.25. Corner of wood.

Russula densifolia

15987, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.5.

Russula farinipes

15991, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.5.

Russula mairei

15992, *Fagus sylvatica*, soil, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.5.

Stereaceae***Stereum gausapatum***

16047, twig litter, woodland, Site: Ardgillan, O224612, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.23. Elder and Sycamore with Ivy.

Stereum hirsutum

16089, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O221617, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.31. Elder here also, by fork in path.

15907, *Acer pseudoplatanus*, bark, woodland, Site: Ardgillan, O219616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.18.

Tremellales**Exidiaceae*****Exidia thurettiana***

16028, *Betula*, twig, woodland edge, Site: Ardgillan, O220611, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.15. Eucalyptus and Sycamore here also, by car park.

15732, *Fagus sylvatica*, sticks, woodland, Site: Ardgillan, O216608, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 20. Near makeshift hide with wooden seat inside.

15988, *Fagus sylvatica*, fallen tree, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.5.

16000, *Fagus sylvatica*, log, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/09/2006, Notes: Stop 3.8.

15727, *Fraxinus excelsior*, stick, woodland, Site: Ardgillan, O215609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: HF Fox, 01/09/2006, Notes: Stop 17.

Tremellaceae***Tremella mesenterica***

15899, *Acer pseudoplatanus*, stick, woodland, Site: Ardgillan, O220616, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 12/09/2006, Notes: Stop 2.14.

Myxomycota**Myxomycetes****Trichiales****Trichiaceae*****Trichia varia***

15996, *Fagus sylvatica*, log, woodland, Site: Ardgillan, O220609, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/09/2006, Notes: Stop 3.6.

407 records, 155 species.

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Cortinarius - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Cortinarius melliolens - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Cystoderma amianthinum - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Dacrymyces stillatus - Basidiomycota, Basidiomycetes, Dacrymycetales, Dacrymycetaceae.
Diploicia canescens - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Enterographa crassa - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Entoloma - Basidiomycota, Basidiomycetes, Agaricales, Entolomataceae.
Entoloma hirtipes - Basidiomycota, Basidiomycetes, Agaricales, Entolomataceae.
Entoloma sericeum - Basidiomycota, Basidiomycetes, Agaricales, Entolomataceae.
Evernia prunastri - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Exidia thuretiana - Basidiomycota, Basidiomycetes, Tremellales, Exidiaceae.
Flavoparmelia caperata - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Fuscidea lightfootii - Ascomycota, Ascomycetes, Teloschistales, Fuscideaceae.
Ganoderma - Basidiomycota, Basidiomycetes, Polyporales, Ganodermataceae.
Ganoderma adpersum - (= *Ganoderma australe*), Basidiomycota, Basidiomycetes, Polyporales, Ganodermataceae.
Ganoderma applanatum - Basidiomycota, Basidiomycetes, Polyporales, Ganodermataceae.
Ganoderma australe - Basidiomycota, Basidiomycetes, Polyporales, Ganodermataceae.
Hebeloma - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Hebeloma crustuliniforme - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Hebeloma pusillum - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Hebeloma sacchariolum - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Helvella crispa - Ascomycota, Ascomycetes, Pezizales, Helvellaceae.
Hygrocybe conica - (= *Hygrocybe conica* var. *conica*), Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hygrocybe conica var. *conica* - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hygrocybe pratensis var. *pallida* - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hymenoscyphus fagineus - Ascomycota, Ascomycetes, Helotiales, Helotiaceae.
Hyphodontia sambuci - Basidiomycota, Basidiomycetes, Hymenochaetales, Schizoporaceae.
Hypholoma fasciculare - Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Hypomyces chrysospermus - Ascomycota, Ascomycetes, Hypocreales, Hypocreaceae.
Hypoxylon fuscum - Ascomycota, Ascomycetes, Xylariales, Xylariaceae.
Inocybe fastigiata - (= *Inocybe rimosa* var. *rimosa*), Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Inocybe geophylla var. *lilacina* - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Inocybe griseolilacina - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.

Inocybe napipes - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Inocybe rimosa var. *rimosa* - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Laccaria laccata - Basidiomycota, Basidiomycetes, Agaricales, Hydnangiaceae.
Lacrymaria lacrymabunda - Basidiomycota, Basidiomycetes, Agaricales, Coprinaceae.
Lactarius - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Lactarius blennius - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Lactarius subdulcis - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Lactarius tabidus - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Lanzia luteovirescens - Ascomycota, Ascomycetes, Helotiales, Rutstroemiaceae.
Lecanora carpinea - Ascomycota, Ascomycetes, Lecanorales, Lecanoraceae.
Lecanora chlarotera - Ascomycota, Ascomycetes, Lecanorales, Lecanoraceae.
Lecanora expallens - Ascomycota, Ascomycetes, Lecanorales, Lecanoraceae.
Lecidella elaeochroma - (= *Lecidella elaeochroma* f. *elaeochroma*), Ascomycota, Ascomycetes, Lecanorales, Lecanoraceae.
Lecidella elaeochroma f. *elaeochroma* - Ascomycota, Ascomycetes, Lecanorales, Lecanoraceae.
Lepiota - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
Lepiota castanea - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
Lepiota cristata - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
Lepiota subincarnata - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
Lepraria incana - Anamorphic fungi, hyphomycetous anamorph.
Lepraria incana agg. - (= *Lepraria incana*), Anamorphic fungi, hyphomycetous anamorph.
Lycoperdon - Basidiomycota, Basidiomycetes, Agaricales, Lycoperdaceae.
Lycoperdon pyriforme - Basidiomycota, Basidiomycetes, Agaricales, Lycoperdaceae.
Macrocyttidia cucumis - Basidiomycota, Basidiomycetes, Agaricales, Marasmiaceae.
Macrolepiota procera - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
Marasmius oreades - Basidiomycota, Basidiomycetes, Agaricales, Marasmiaceae.
Marasmius rotula - Basidiomycota, Basidiomycetes, Agaricales, Marasmiaceae.
Melanelia subaurifera - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Microsphaera alphitoides - Ascomycota, Ascomycetes, Erysiphales, Erysiphaceae.
Mollisia cinerea - Ascomycota, Ascomycetes, Helotiales, Dermateaceae.
Mycena - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena epipterygia - (= *Mycena epipterygia* var. *epipterygia*), Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena epipterygia var. *epipterygia* - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena filopes - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena flavescens - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena galopus var. *nigra* - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena leucogala - (= *Mycena galopus* var. *nigra*), Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena polygramma - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena pura - (= *Mycena pura* var. *pura*), Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena pura var. *pura* - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Nectria cinnabarina - Ascomycota, Ascomycetes, Hypocreales, Nectriaceae.
Nectria coccinea - Ascomycota, Ascomycetes, Hypocreales, Nectriaceae.
Nectria peziza - Ascomycota, Ascomycetes, Hypocreales, Nectriaceae.
Nolanea - (= *Entoloma*), Basidiomycota, Basidiomycetes, Agaricales, Entolomataceae.
Nolanea hirtipes - (= *Entoloma hirtipes*), Basidiomycota, Basidiomycetes, Agaricales, Entolomataceae.
Opeggrapha atra - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Opeggrapha varia - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Opeggrapha vulgata - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Otidea bufonia - Ascomycota, Ascomycetes, Pezizales, Pyrenomataceae.
Panaeolina foenicisii - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Panaeolus acuminatus - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Panaeolus rickenii - (= *Panaeolus acuminatus*), Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Parmelia sulcata - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Parmotrema chinense - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Parmotrema perlatum - (= *Parmotrema chinense*), Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Paxillus involutus - Basidiomycota, Basidiomycetes, Boletales, Paxillaceae.
Peniophora lycii - Basidiomycota, Basidiomycetes, Russulales, Peniophoraceae.
Pertusaria albescens - (= *Pertusaria albescens* var. *albescens*), Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Pertusaria albescens var. *albescens* - Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Pertusaria hymenea - Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Pertusaria pertusa - Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Peziza badia - Ascomycota, Ascomycetes, Pezizales, Pezizaceae.
Phaeophyscia orbicularis - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Phellinus igniarius - Basidiomycota, Basidiomycetes, Hymenochaetales, Hymenochaetaceae.
Phoma samarum - Anamorphic fungi, coelomycetous anamorph.
Physcia adscendens - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Physcia tenella - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Polyporus squamosus - Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
Postia caesia - Basidiomycota, Basidiomycetes, Polyporales, Fomitopsidaceae.
Psathyrella candolleana - Basidiomycota, Basidiomycetes, Agaricales, Coprinaceae.
Psathyrella microrrhiza - Basidiomycota, Basidiomycetes, Agaricales, Coprinaceae.
Pyrrhospora quernea - Ascomycota, Ascomycetes, Lecanorales, Lecanoraceae.
Ramalina calicaris - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
Ramalina canariensis - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
Ramalina farinacea - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.

Ramalina fastigiata - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
 Ramaria stricta - Basidiomycota, Basidiomycetes, Phallales, Ramariaceae.
 Rhytisma acerinum - Ascomycota, Ascomycetes, Rhytismatales, Rhytismataceae.
 Russula - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula densifolia - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula farinipes - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula mairei - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Rutstroemia luteovirescens - (= Lanzia luteovirescens), Ascomycota, Ascomycetes, Helotiales, Rutstroemiaceae.
 Sarcoscypha coccinea - Ascomycota, Ascomycetes, Pezizales, Sarcoscyphaceae.
 Schismatomma cretaceum - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
 Schismatomma decolorans - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
 Scleroderma areolatum - Basidiomycota, Basidiomycetes, Boletales, Sclerodermataceae.
 Scleroderma citrinum - Basidiomycota, Basidiomycetes, Boletales, Sclerodermataceae.
 Scutellinia umbrorum - Ascomycota, Ascomycetes, Pezizales, Pyrenomataceae.
 Sepedonium chrysospermum - (= Hypomyces chrysospermus), Ascomycota, Ascomycetes, Hypocreales, Hypocreaceae.
 Stereum gausapatum - Basidiomycota, Basidiomycetes, Russulales, Stereaceae.
 Stereum hirsutum - Basidiomycota, Basidiomycetes, Russulales, Stereaceae.
 Taphrina alni - (= Taphrina amentorum), Ascomycota, Taphrinomycetes, Taphrinales, Taphrinaceae.
 Taphrina amentorum - Ascomycota, Taphrinomycetes, Taphrinales, Taphrinaceae.
 Trametes versicolor - Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
 Tremella mesenterica - Basidiomycota, Basidiomycetes, Tremellales, Tremellaceae.
 Trichia varia - Myxomycota, Myxomycetes, Trichiales, Trichiaceae.
 Vascellum pratense - Basidiomycota, Basidiomycetes, Agaricales, Lycoperdaceae.
 Verrucaria baldensis - Ascomycota, Ascomycetes, Verrucariales, Verrucariaceae.
 Verrucaria nigrescens - Ascomycota, Ascomycetes, Verrucariales, Verrucariaceae.
 Vouauxiella lichenicola - Anamorphic fungi, coelomycetous anamorph.
 Xanthoria candelaria - Ascomycota, Ascomycetes, Teloschistales, Teloschistaceae.
 Xanthoria parietina - Ascomycota, Ascomycetes, Teloschistales, Teloschistaceae.
 Xerocomus chrysenteron - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
 Xerocomus porosporus - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
 Xylaria hypoxylon - Ascomycota, Ascomycetes, Xylariales, Xylariaceae.
 Xylaria polymorpha - Ascomycota, Ascomycetes, Xylariales, Xylariaceae.

Associated Organism Index

Acer

Cortinarius, Inocybe geophylla var. lilacina, Laccaria laccata, Lepiota castanea, Mycena filopes, Peziza badia, Psathyrella microrhiza, Scleroderma citrinum.

Acer pseudoplatanus

Agaricus arvensis, Agaricus bisporus, Amanita phalloides, Armillaria mellea, Auricularia auricula-judae, Boletus edulis, Calocera cornea, Calvatia gigantea, Chrysothrix candelaris, Collybia confluens, Conocybe siennophylla, Cystoderma amianthinum, Diploicia canescens, Enterographa crassa, Entoloma, Entoloma sericeum, Evernia prunastri, Flavoparmelia caperata, Hygrocybe conica var. conica, Hyphodontia sambuci, Hypholoma fasciculare, Inocybe rimosa var. rimosa, Lacrymaria lacrymabunda, Lanzia luteovirescens, Lecanora chlarotera, Lepiota cristata, Lycoperdon pyriforme, Marasmius oreades, Marasmius rotula, Melanelia subaurifera, Mollisia cinerea, Nectria coccinea, Opegapha vulgata, Parmelia sulcata, Parmotrema chinense, Pertusaria albescent var. albescent, Pertusaria pertusa, Peziza badia, Phaeophyscia orbicularis, Physcia tenella, Ramalina canariensis, Ramalina farinacea, Ramalina fastigiata, Rhytisma acerinum, Schismatomma cretaceum, Schismatomma decolorans, Stereum hirsutum, Trametes versicolor, Tremella mesenterica, Xanthoria parietina, Xylaria hypoxylon, Xylaria polymorpha.

Aesculus hippocastanum

Auricularia auricula-judae, Collybia confluens, Collybia dryophila.

Alnus glutinosa

Taphrina amentorum.

Betula

Clavulina coralloides, Cortinarius, Exidia thuretiana, Nectria cinnabarina, Ramaria stricta, Scleroderma areolatum.

Boletus edulis

Hypomyces chrysospermus.

Carpinus betulus

Inocybe rimosa var. rimosa, Laccaria laccata.

Castanea sativa

Clavaria fragilis, Clavulinopsis corniculata, Cortinarius, Cortinarius melliolens, Hebeloma crustuliniforme, Hebeloma pusillum, Helvella crispa, Hygrocybe pratensis var. pallida, Inocybe geophylla var. lilacina, Inocybe griseolilacina, Laccaria laccata, Lycoperdon, Lycoperdon pyriforme, Marasmius rotula, Mycena epipterygia var. epipterygia, Paxillus involutus, Xerocomus porosporus.

Cedrus libani

Dacrymyces stillatus, Diploicia canescens, Flavoparmelia caperata, Lecanora chlarotera, Lecanora expallens, Lecidella elaeochroma f. elaeochroma, Physcia tenella, Xanthoria candelaria.

Fagus sylvatica

Agaricus xanthodermus var. xanthodermus, Amanita phalloides, Amanita rubescens var. rubescens, Armillaria mellea, Auricularia auricula-judae, Collybia confluens, Collybia dryophila, Enterographa crassa, Exidia thuretiana, Flavoparmelia caperata, Ganoderma australe, Hebeloma crustuliniforme, Hygrocybe conica var. conica, Hymenoscyphus fagineus, Hyphodontia sambuci, Hypholoma fasciculare, Hypoxylon fuscum, Inocybe geophylla var. lilacina, Inocybe napipes, Inocybe rimosa var. rimosa, Laccaria laccata, Lactarius, Lactarius blennius, Lactarius subdulcis, Lactarius tabidus, Lecanora chlarotera, Lepiota subincarnata, Mycena, Mycena galopus var. nigra, Mycena pura var. pura, Nectria cinnabarina, Parmelia sulcata, Polyporus squamosus, Postia caesia, Ramalina canariensis, Ramalina fastigiata, Russula densifolia, Russula farinipes, Russula mairei, Trametes versicolor, Trichia varia, Xerocomus chrysenteron.

Fraxinus excelsior

Agaricus pilatianus, Agaricus xanthodermus var. xanthodermus, Arthonia radiata, Bacidia rubella, Exidia thuretiana, Flavoparmelia caperata, Fuscidea lightfootii, Lecanora carpinea, Lecanora chlarotera, Lecanora expallens, Lecidella elaeochroma f. elaeochroma, Lepiota cristata,

Marasmius rotula, Opegrapha atra, Opegrapha vulgata, Parmotrema chinense, Paxillus involutus, Peniophora lycii, Pertusaria albescens var. albescens, Pertusaria hymenea, Pertusaria pertusa, Phoma samararum, Physcia tenella, Pyrrhospora quernea, Xanthoria parietina.

Grasses

Conocybe siennophylla, Coprinus plicatilis, Entoloma hirtipes, Hygrocybe conica var. conica, Laccaria laccata, Lepiota, Lycoperdon, Marasmius oreades, Panaeolina foenicisecii, Vascellum pratense.

Ilex aquifolium

Clavulina cinerea, Ganoderma, Panaeolina foenicisecii.

Lecanora chlarotera

Vouauxiella lichenicola.

Ligustrum

Auricularia auricula-judae, Opegrapha atra.

Polyporus squamosus

Nectria peziza.

Populus

Paxillus involutus.

Populus alba

Paxillus involutus.

Potentilla

Collybia butyracea var. butyracea, Collybia confluens, Lepiota cristata, Macrocystidia cucumis, Mycena.

Prunus laurocerasus

Auricularia auricula-judae, Boletus edulis, Hypholoma fasciculare, Mycena flavescens, Sarcoscypha coccinea.

Quercus

Auricularia auricula-judae, Boletus albidus, Boletus edulis, Bovista nigrescens, Chrysothrix candelaris, Clitocybe dealbata, Collybia dryophila, Cortinarius, Diploicia canescens, Evernia prunastri, Flavoparmelia caperata, Ganoderma applanatum, Hebeloma sacchariolens, Hypholoma fasciculare, Inocybe rimosa var. rimosa, Laccaria laccata, Lecanora carpinea, Lecanora chlarotera, Lecidella elaeochroma f. elaeochroma, Lepraria incana, Lycoperdon pyriforme, Marasmius rotula, Melanelia subaurifera, Microsphaera alphitoides, Mycena, Opegrapha varia, Otidea bufonia, Parmelia sulcata, Parmotrema chinense, Pertusaria hymenea, Peziza badia, Physcia adscendens, Physcia tenella, Pyrrhospora quernea, Ramalina calicaris, Ramalina canariensis, Ramalina farinacea, Ramalina fastigiata, Ramaria stricta, Russula, Schismatomma decolorans, Scleroderma citrinum, Trametes versicolor, Xanthoria parietina, Xerocomus chrysenteron.

Quercus ilex

Hebeloma sacchariolens, Laccaria laccata, Marasmius oreades.

Rosa

Panaeolina foenicisecii, Panaeolus acuminatus.

Rubus fruticosus agg.

Calvatia gigantea.

Salix

Entoloma, Hebeloma, Hypholoma fasciculare, Laccaria laccata, Lanzia luteovirescens, Lecanora chlarotera, Lecidella elaeochroma f. elaeochroma, Lepiota cristata, Pertusaria albescens var. albescens, Physcia tenella, Ramalina farinacea.

Sambucus nigra

Armillaria mellea, Auricularia auricula-judae, Boletus edulis, Hyphodontia sambuci, Inocybe rimosa var. rimosa, Marasmius rotula, Mycena, Mycena polygramma, Trametes versicolor, Xylaria polymorpha.

Taxus baccata

Agaricus campestris, Macrolepiota procera, Panaeolina foenicisecii.

Tilia

Diploicia canescens, Enterographa crassa, Ramalina farinacea.

Ulmus

Boletus edulis.

Wellingtonia

Coprinus comatus.

Xerocomus chrysenteron

Hypomyces chrysospermus,

Appendix 4 – Howth Demesne

Details of site visits

Day 1 8th September 2006

Surveyor: Maria Cullen

Starting point Steps behind Deerpark Hotel and Golf course

Stop 1 On wood of steps

Grid reference O279383

Hypholoma fasciculare

Stop 2 Rock outcrops as there was likely a quarry here *Rhododendron* prevalent
Larix decidua (Larch) and *Pinus sylvestris* (Scot's Pine)

Grid reference O279383

Mycena sp. in grass opposite

Lichen

Lepraria incana agg.

Stop 3 *Quercus* (Oak), *Fraxinus excelsior* (Ash), *Prunus laurocerasi* (Laurel)

Grid reference O279382

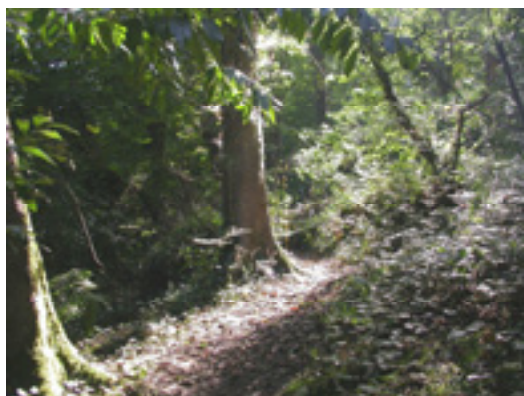
Xerocomus chrysenteron

Stop 4 Nearby *Fagus sylvatica* (Beech)

Grid reference O279382

Collybia confluens

Mucilago crustacea



Woodland path near Deerpark Hotel

Stop 5 On log across path with *Hedera helix* (Ivy)

Grid reference O279382

Coprinus micaceus

Stop 6 *Quercus* (Oak) with Ivy (*Hedera helix*)

Grid reference O279382

Girth at least 280 cm

Lactarius quietus

Mycena sp.

Lichens
 Lepraria incana agg.
 Enterographa crassa

Stop 7 Acer pseudoplatanus (Sycamore), stick
Grid reference O279382

Lichens
 Lecanora chlorotera
 Evernia prunastri
 Arthonia radiata
 Parmelia sulcata



Black straps of Armillaria mellea, the tree-killing Honey Fungus

Stop 8 Acer pseudoplatanus (Sycamore) near Castanea sativa (Sweet Chestnut), log
 across path
Grid reference O279382
 Armillaria mellea (Honey Fungus)

Stop 9 Fagus sylvatica (Beech) with Acer pseudoplatanus (Sycamore) near series of
 fallen logs in more open area
Grid reference O280382
 Russula sp.

Stop 10 Acer pseudoplatanus (Sycamore), near whitened fallen logs across path
Grid reference O280382
 Mycena polygramma



Ceratiomyxa fruticulosa on rotting wood by path

Stop 11 *Acer pseudoplatanus* (Sycamore)*Ceratiomyxa fruticulosa* on rotting wood**Grid reference** O280382**Stop 12** Log on ground**Grid reference** O280382*Hypholoma fasciculare***Stop 13** *Fagus sylvatica* (Beech) and *Acer pseudoplatanus* (Sycamore)**Grid reference** O280382*Rhytisma acerinum* on Sycamore leaves here*Peziza badia* on log**Stop 14** *Quercus* (Oak), dying tree with woodworm**Grid reference** O280382*Ganoderma applanatum***Stop 15** Beside dying *Quercus* (Oak) a Sycamore tree is down**Grid reference** O280382*Tremella mesenterica**Auricularia auricula-judae**Nectria cinnabarina**Stereum rugosum**Mycena clavularis**Trametes versicolor***Stop 16** *Fagus sylvatica* (Beech), tree across path**Grid reference** O280381*Xylaria polymorpha**Armillaria mellea***Stop 17** *Fagus sylvatica* (Beech), dying tree**Grid reference** O280381*Ganoderma applanatum**Trametes versicolor**Lactarius tabidus*. Two fungi together under beech with reddish brown stems also*Lycoperdon pyriforme* on rotten wood by path

Stop 18 Wood by path, dead logs
Grid reference O280381
Lycoperdon pyriforme
Trametes versicolor

Stop 19 Acer pseudoplatanus (Sycamore)
Grid reference O280380
Lichens
Graphis elegans
Parmotrema perlatum
Lecanora chlorotera
Alga
Trentepohlia sp. alone without lichen associate

Stop 20 Grove of Fagus sylvatica (Beech), Aesculus hippocastanum (Horse Chestnut) and Pinus (Pine)
Grid reference O280380
Lactarius tabidus
Ganoderma adspersum
Xerocomus chrysenteron
Macrolepiota procera (young)
Russula cyanoxantha under Horse Chestnut on bank near path
Boletus edulis, large



Leccinum versipelle among grasses and Ling Heather under Birch

Stop 21 On path with Betula (Birch) wood on other side of drain
Grid reference O280380
Leccinum versipelle, large



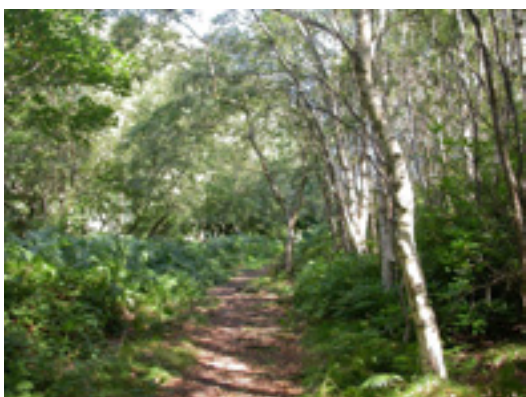
Amanita fulva under Birch on Muck Rock

Stop 22 Betula (Birch) wood edge with path

Grid reference O280380

Amanita fulva (Tawny Grisette)

Paxillus involutus, several of which covered in white-yellow mould *Sepedonium chrysospermum*



Birch wood under Muck Rock

Stop 23 Betula (Birch), *Pteridium aquilinum* (Bracken) and *Rhododendron* by track

Grid reference O279380

Amanita muscaria

Stop 24 Betula (Birch), *Pteridium aquilinum* (Bracken) and *Rhododendron*

Grid reference O279379

Laccaria laccata

Stop 25 Betula (Birch), fairly large tree by wall with *Alnus glutinosa* (Alder)

Grid reference O279379

Lichen

Graphis elegans



Birch and Rhododendron at edge of Ling Heather on side of Muck Rock

Stop 26 Betula (Birch), Pteridium aquilinum (Bracken) near Golf course
Grid reference O278378
 Lactarius tabidus
 Russula queletii

Stop 27 Facing knoll of rock a little further on
Grid reference O278378
 Laccaria laccata
 Paxillus involutus

Stop 28 Calluna vulgaris (Ling Heather)
Grid reference O278378
 Lichen
 Cladonia portentosa



Amanita rubescens (The Blusher) among leaf litter

Stop 29 Beginning of Betula (Birch) wood again under hill after walk uphill
Grid reference O279379
 Amanita rubescens
 Paxillus involutus

Stop 30 Rejoined path at grove then went eastwards
Grid reference O280380

Stop 31 Across Golf-course from Reservoir in wood of Betula (Birch), Quercus (Oak), Alnus glutinosa (Alder) and dead tree

Grid reference O281380

Boletus edulis

Amanita rubescens

Sepedonia chrysospermum mould on small Bolete

Stop 32 Quercus (Oak) is beside drain with rusty water

Grid reference O282380

Scutellinia scutellata

Stop 33 Bank with Betula (Birch) and Rhododendron

Grid reference O283380

Russula ochroleuca

Lactarius sp.

Clavulina cristata

Amanita rubescens

Mycena sp. (grey-blue)

Stop 34 Nearby Acer pseudoplatanus (Sycamore) and Fagus sylvatica (Beech) also with White Bracket on Rhododendron and Alnus glutinosa (Alder)

Grid reference O283380

Finish at track with drain across to golf course



Chrysothrix candelaris on large Ash tree at edge of Golf course

Stop 35 Large Fraxinus excelsior (Ash) by golf course at edge of wood

Grid reference O28203809

Lichens

Chrysothrix candelaris

Usnea subfloridana

Flavoparmelia caperata

Pertusaria amara

Lecanora chlorotera

Day 2 17th September 2006

Howard Fox & Maria Cullen

Stop 2.1 Acer (Red Maple) behind Deerpark Hotel

Grid reference O280383

Uncinula necator on leaves

Stop 2.2 *Larix decidua* (Larch) uphill

Grid reference O280383

Mycena filipes

Mycena clavularis on *Larix decidua* (Larch) cone

Hypholoma fasciculare

Lichens

Lepraria incana agg.

Evernia prunastri on ground

Stop 2.3 *Rhododendron*

Grid reference O280383

Stereum hirsutum

Stereum rugosum

Stop 2.4 *Betula pendula* (Birch) near steps

Grid reference O279382

Laccaria laccata

Lactarius tabidus

Armillaria mellea

Stop 2.4b *Quercus* (Oak)

Grid reference O279382

Collybia peronata

Acer pseudoplatanus (Sycamore) here

Rhytisma acerinum on leaves

Stop 2.5 *Quercus* (Oak)

Grid reference O278382

Hypholoma fasciculare

Mycena capillaris on leaf litter (tiny, white)

Peniophora quercina

Trametes versicolor

Russula ochroleuca

Stop 2.6 *Acer pseudoplatanus* (Sycamore)

Grid reference O278382

Lichens

Opegrapha vulgata

Lepraria incana agg.

Graphis scripta

Stop 2.7 Betula (Birch)

Grid reference O278382

Trametes versicolor

Myxomycete, white spathuloid on white stem

Lichen

Graphis elegans

Stop 2.8 Rhododendron

Grid reference O278382

Hypholoma fasciculare

Lichen

Cladonia polydactyla near Festuca ovina grass

Stop 2.9 Muck Rock

Grid reference O278382

Lichens

Usnea cornuta

Lepraria incana agg.

Stop 2.10 Rhododendron at Muck Rock

Grid reference O278382

Stereum hirsutum

Tremella mesenterica on cut rhododendron stumps

Lichens

Cladonia polydactyla on peat

Fuscidea cyathoides on quartzite

Lecanora orosthea on mineral concentration

Stop 2.11 Muck Rock

Grid reference O279382

Lichens

Parmelia omphalodes

Parmelia saxatilis

Melanelia glabratula

Fuscidea cyathoides

Lepraria membranacea

Usnea subfloridana

Flavoparmelia caperata

Cladonia polydactyla on peat

Cladonia portentosa on peat

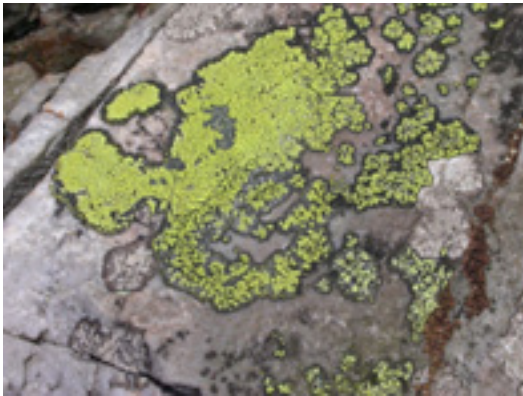
Stop 2.12 Betula (Birch) broken, Facing southwest

Grid reference O279382

Boletus edulis



Porpidia macrocarpa on Muck Rock



Rhizocarpon geographicum (left) and a small amount of *Acarospora fuscata* (reddish-brown) lichens on Muck Rock

Stop 2.13 Rock

Grid reference O279382

Lichens

Rhizocarpon geographicum

Melanelia fuliginosa

Rhizocarpon obscuratum

Porpidia macrocarpa

Fuscidea cyathoides

Xanthoparmelia conspersa

Acarospora fuscata

Stop 2.14 *Pinus sylvestris* (Scot's Pine)

Grid reference O279381

Boletus with *Sepedonium chrysospermum*

Stop 2.15 Open heath

Grid reference O279381

Entoloma sp.

Lichens

Hypogymnia physodes

Usnea flammea

Cladonia portentosa

Cladonia uncialis subsp. *biuncialis*

Xanthoparmelia conspersa

Acarospora fuscata
Rhizocarpon geographicum



Birch wood on side of Muck Rock where fungal flora is rich

Stop 2.16 Betula (Birch) wood on side of Muck Rock

Grid reference O278382

Amanita muscaria x 2

Amanita rubescens x 3

Russula ochroleuca

Lactarius tabidus

Amanita fulva x many

Russula betularum

Mycena epipterygia

Mycena sp.

Cortinarius paleaceus

Piptoporus betulinus

Boletus luridus with Sepedonium chrysospermum

Lichen

Graphis elegans

Stop 2.17 Acer pseudoplatanus (Sycamore), Betula (Birch), Pinus nigra (Austrian Pine)

Rhododendron

Grid reference O278382

Laccaria laccata

Hypholoma fasciculare

Amanita muscaria

Pteridiospora scorioidea on Betula

Xerocomus chrysenteron

Stop 2.18 Acer pseudoplatanus (Sycamore), Fagus sylvatica (Beech), Quercus (Oak), Betula (Birch)

Grid reference O278381

Russula cyanoxantha

Lactarius tabidus

Rickenella fibula

Collybia dryophila

Xerocomus chrysenteron

Laccaria laccata

Lactarius blennius

Russula nigricans

Russula cyanoxantha var. peltereaui
Rutstroemia firma on beech nut and leaf litter, flat patina on a concolorous stem
Russula ochroleuca
Laccaria amethystina
Mycena pelianthina
Collybia peronata

Stop 2.19 On soil bank with mosses under Betula (Birch)

Grid reference O279380

Laccaria laccata
Lactarius plumbeus at base of stone wall near path

Stop 2.20 Betula (Birch)

Grid reference O279380

Collybia peronata
Bolete gone over
Lactarius tabidus
Russula ochroleuca

Stop 2.21 Betula (Birch) wood by track visited last day

Grid reference O279379

Lactarius tabidus
Mycena sp.
Inocybe sp. (brown)
Amanita rubescens
Amanita fulva
Russula gracillima
Macrocyttidia cucuminis
Boletes gone over
Lactarius sp.
Tricholomopsis rutilans
Paxillus involutus
Amanita muscaria in same place as last visit

Stop 2.21b Fagus sylvatica (Beech)

Grid reference O280380

Laccaria laccata
Russula ochroleuca

Stop 2.22 In wood west of reservoir

Grid reference O280382

Ash with Polyporus squamosus
Elder with Hyphodontia sambuci

Stop 2.23 Acer pseudoplatanus (Sycamore) and Sambucus nigra (Elder)

Grid reference O280382

Laccaria laccata

Stop 2.24 Sambucus nigra (Beech) near reservoir

Grid reference O281382

Ganoderma applanatum
Mycena pura

Stop 2.25 *Fagus sylvatica* (Beech) nuts with *Circeaea luleta* (Enchanter's Nightshade) in hollow near reservoir

Grid reference O281382

Rutstroemia firma

Stop 2.26 *Acer pseudoplatanus* (Sycamore) near reservoir

Grid reference O281382

Lichen

Schismatomma cretaceum

Stop 2.27 *Heracleum sphondylium* (Hogweed) by reservoir

Grid reference O281382

Erysiphe heraclei

Lichens on *Fraxinus excelsior* (Ash) here

Opegrapha atra

Xanthoria parietina

Physcia tenella

Sycamore

Rhytisma acerinum on leaves

Clavulinopsis luteoalba on soil

Lichen

Hypotrachyna revoluta on Sycamore

Stop 2.28 Far eastern end of reservoir, under *Fraxinus excelsior* (Ash)

Grid reference O282382

Calvatia gigantea (Giant Puffball)

Stop 2.29 *Populus alba* (White Poplar) in middle of golf course

Grid reference O283381

Girth approx. 1.5m

Lichens

Evernia prunastri

Ramalina fastigiata

Ramalina farinacea

Parmelia sulcata

Punctelia subrudecta

Flavoparmelia caperata

Xanthoria parietina (tiny amount)

Melanelia subaurifera

Physcia tenella (fruiting)

Lecanora expallens (fertile)

Hypogymnia physodes

Lecidella elaeochroma

Dragonfly



Macrolepiota procera (Parasol mushroom) among grasses by Oak and Beech trees

Stop 2.30 Fagus sylvatica (Beech), Quercus (Oak), Fraxinus excelsior (Ash) wood to south of golf course

Grid reference O282380

Ash visited last time

Lichen

Chrysothrix candelaris

Under Oak

Macrolepiota procera

Stop 2.31 Heath to south of this arm of wood

Grid reference O284379

Hygrocybe miniata

Hygrocybe ceracea

Hygrocybe vitellina

Lichen

Peltigera lactucifolia

Stop 2.32 Betula (Birch) by heath and track

Grid reference O284379

Paxillus involutus

Collybia maculata

Stop 2.33 By track with Ulex europeus (Gorse)

Grid reference O286380

Hygrocybe laeta

Stop 2.34 Ulex europeus (Gorse) at path

Grid reference O286380

Collybia butyracea

Lepista flaccida

Lichen

Lecanora expallens on gorse

Lophiostoma angustilabrum on shaded, dead gorse branches

Amanita rubescens

Mycena pura

Phragmidium violaceum

Stop 2.35 *Fagus sylvatica* (Beech) at eastern edge of wood

Grid reference O286380

Xerocomus chrysenteron

Lactarius tabidus

Stop 2.36 *Betula* (Birch) and *Quercus* (Oak)

Grid reference O285381

Amanita muscaria

Boletus edulis

Southeast of reservoir and golf course

Laccaria laccata

Lactarius blennius

With Beech, Sycamore and Ash here

Collybia confluens

Xerocomus chrysenteron

Collybia peronata

Hypholoma fasciculare (very large) by Holly and dead Beech here

Stop 2.37 *Pteridium aquilinum* (Bracken) nearby

Grid reference O285381

Lactarius

Laccaria amethystina

Hypholoma fasciculare

Hebeloma sacchariolens

Russula cyanoxantha

Microsphaera alphitoides

Stop 2.38 *Fagus sylvatica* (Beech), *Acer pseudoplatanus* (Sycamore), *Pinus sylvestris* (Scot's Pine)

Grid reference O285380

Cortinarius sp.

Lactarius blennius

Russula atropurpurea

Amanita rubescens

Lactarius tabidus

Stop 2.39 *Alnus glutinosa* (Alder) by large *Betula* (Birch)

Grid reference O285380

Taphrina alni

Stop 2.40 Wood below *Pteridium aquilinum* (Bracken) further east

Grid reference O284381

Clitocybe nebularis

Collybia confluens

Russula nigricans

Lactarius tabidus

Collybia peronata

Amanita rubescens

Russula betularum

Hypholoma fasciculare

Mycena sp.

Stop 2.41 Quercus (Oak), Betula (Birch), Fagus sylvatica (Beech)

Grid reference O284381

Collybia butyracea

Stop 2.42 Quercus (Oak)

Grid reference O284381

Laccaria laccata

Stop 2.43 Acer pseudoplatanus (Sycamore) and Pinus (Pine)

Grid reference O284381

Amanita rubescens

Lactarius tabidus

Collybia peronata

Stop 2.44 Fagus sylvatica (Beech)

Grid reference O284380

Russula mairei

Lactarius blennius

Collybia dryophila

Stop 2.45 Quercus (Oak)

Grid reference O283380

Hypholoma fasciculare

Stop 2.46 where survey finished last day

Grid reference O282380

Clavulina cristata

Stop 2.47 Fraxinus excelsior (Ash) by track

Grid reference O282380

Bolbitius vitellinus

Stop 2.48 Grove, with Aesculus hippocastanum (Horse chestnut), strong smell of foxes

Grid reference O280380

Amanita pantherina x 2

Stop 2.49 Log across path

Grid reference O280380

Armillaria mellea

Stop 2.50 Fagus sylvatica (Beech) and Acer pseudoplatanus (Sycamore)

Grid reference O280381

Macrolepiota procera

Stop 2.51 Logs by path on descent back to hotel

Grid reference O280382

Peziza badia

Armillaria mellea

Lactarius plumbeus

Short visit by Howard Fox 23rd September 2006

Rhododendron thicket with Beechwood

Grid reference O279380

Daedaleopsis confragosa on Betula (Birch)

Russula nigricans

Day 3 25th September 2006

Maria Cullen

Stop 3.1 Larix decidua (Larch) and Betula (Birch)

Grid reference O279382

Mycena filopes

Hypholoma fasciculare

Stop 3.2 Ulex europaeus (Gorse) at Muck Rock summit

Grid reference O279382

Paxillus involutus

Stop 3.3 Rhododendron tunnel with campfire site

Grid reference O280381

Dacrymyces stillatus on burnt log

Tremella mesenterica on Rhododendron

Hebeloma crustuliniforme

Stop 3.4 Conifer trees burnt area near lower end of impressive Rhododendron tunnel

Grid reference O280381

Russula ochroleuca

Stop 3.5 Muck Rock entrance to Rhododendron

Grid reference O280382

Mycena filopes

Mycena fibula

Nolanea stauropora in heath near Cladonia uncialis patch

Peltigera lactucifolia in grass and on rock

Stop 3.6 Top of Betula (Birch) wood

Grid reference O277382

Russula betularum, fused with cap of one fused to upright cap of other

Lactarius glyciosmus

Piptoporus betulinus on fallen Birch

Stop 3.7 Dead wood

Grid reference O278382

Mycena inclinata

Stereum rugosum

Russula luteotacta

Amanita fulva (over)

Ceratiomyxa fruticulosa

Stop 3.8 *Fagus sylvatica* (Beech) and *Betula* (Birch), lichens fallen on ground, difficult dense wood and bramble

Grid reference O277380

Ramalina farinacea

Evernia prunastri

Fungi

Laccaria laccata under Oak

Peziza badia, very large specimen

Lactarius tabidus

Lepiota cristata

Bolete small

Xerocomus chrysenteron

Stop 3.9 *Betula* (Birch) with Brambles

Grid reference O277380

Lycoperdon perlatum



Amanita muscaria with leaf litter under thick scrub vegetation

Stop 3.10 *Alnus glutinosa* (Alder) with *Quercus* (Oak) *Rhododendron*, Bramble

Grid reference O277380

Amanita muscaria x 6 large fruits

Laccaria laccata

Cortinarius semisanguineus

Stop 3.11 *Sorbus aucuparia* (Rowan), leaves dying, in thicket

Grid reference O277380

Graphis scripta

Pleurotus ostreatus

Stop 3.12 *Quercus* (Oak) and *Rhododendron*

Grid reference O276381

Russula ochroleuca

Amanita pantherina



Lactarius quietus under Oak tree

Stop 3.13 Quercus (Oak)
Grid reference O276381

Girth c. 420 cm

Lichens

Schismatomma cretaceum

Schismatomma decolorans

Lepraria incana agg.

Flavoparmelia caperata

Ramalina farinacea

Fungi

Russula ochroleuca

Lactarius quietus

Russula nigricans

Mycena leucogala

Stop 3.14 Fagus sylvatica (Beech) grove with Pinus sylvatica (Scot's Pine) and Betula (Birch)

Grid reference O277380

Lactarius hepaticus

Lactarius tabidus

Oudemansiella mucida

Mycena sp. (white, small)

Mycena sp. grey, large

Amanita muscaria

Collybia confluens

Clitocybe dealbata

Stop 3.15 Betula (Birch) with moss

Grid reference O278380

Amanita fulva

Stop 3.16 Rejoining main path in valley behind Muck Rock

Grid reference O279379

Boletus sp. with Sepedonium chrysospermum

Paxillus involutus with Sepedonium chrysospermum

Stop 3.17 Betula (Birch) trees by path

Grid reference O279379

Amanita fulva

Russula ochroleuca

Stop 3.18 Betula (Birch) behind wall

Grid reference O279380

Nolanea farinolens

Paxillus involutus

Stop 3.19 Row of *Fagus sylvatica* (Beech) and *Acer pseudoplatanus* (Sycamore)

Grid reference O280380

Russula nigricans

Collybia dryophila

Lactarius tabidus

Russula xerampelina

Russula fragilis

Stop 3.20 *Pinus sylvestris* (Scot's Pine) lying across path

Grid reference O280380

Trametes versicolor

Stop 3.21 Uphill to Betula (Birch) where all *Amanita fulva* were last visit

Grid reference O277380

Amanita muscaria

Amanita rubescens

Stop 3.22 *Rhododendron* and Betula (Birch)

Grid reference O277380

Lepiota sistrata

Stop 3.23 *Acer pseudoplatanus* (Sycamore)

Grid reference O277380

Armillaria mellea

Stop 3.24 *Fagus sylvatica* (Beech), visited previously

Grid reference O278380

Collybia butyracea

Cortinarius paleaceus

Lactarius cemicarius

Stop 3.25 Near grove

Grid reference O280380

Russula nigricans

Stop 3.26 Betula (Birch) and old *Quercus* (Oak), near Heath

Grid reference O283380

Leccinum versipelle

Stop 3.27 Heath

Grid reference O284380

Hygrocybe miniata

Hygrocybe ceracea

Hygrocybe conica

Hygrocybe coccinea

Stop 3.28 *Acer pseudoplatanus* (Sycamore) near Golf course

Grid reference O283380

Clitocybe flaccida

Stop 3.29 *Fagus sylvatica* (Beech) and *Acer pseudoplatanus* (Sycamore) near Golf course,
Broadleaf trees

Grid reference O282380

Russula atropurpurea

Stop 3.30 *Fagus sylvatica* (Beech) and other Broadleaf woodland

Grid reference O281380

Russula sp. (pink)

Amanita pantherina

Collybia confluens

Lycoperdon pyriforme

Auricularia auricula-judae

Stop 3.31 Woodland descent to hotel

Grid reference O278382

Paxillus involutus

Stop 3.32 Wood at base of hill near Hotel, under Fuchsia near Dicksonia

Grid reference O278383

Clitocybe flaccida

Stop 3.33 Dead wood on ground

Grid reference O278383

Xylaria hypoxylon

Stop 3.34 *Quercus* (Oak) and *Rhododendron*

Grid reference O278383

Lactarius camphoratus

Stop 3.35 Boulders fallen from cliff above with conifers

Grid reference O276383

Paxillus involutus

Day 4 21st October 2006

Maria Cullen and Howard Fox

Stop 4.1 *Fagus sylvatica* (Beech)

Grid reference O237382

Mycena polygramma



Lepista flaccida (Tawny Funnel Cap) on leaf litter

Stop 4.2 Arboretum

Grid reference O236382

Lepista flaccida

Stop 4.3 Soil among grasses

Grid reference O235384

Coprinus plicatilis

Stop 4.4 Buried wood

Grid reference O235382

Hypholoma fasciculare



Macrotyphula juncea on twigs of broadleaves

Stop 4.5 Leaf litter and Fagus sylvatica (Beech twigs)

Grid reference O235382

Macrotyphula juncea

Stop 4.6 Acer pseudoplatanus (Sycamore)

Grid reference O236382

Rhytisma acerinum on leaves

Leotia lubrica on leaf litter



Calocera viscosa on leaf litter near population of *Leotia lubrica*

Stop 4.7 Wood on ground

Grid reference O236382

Calocera viscosa

Stop 4.8 *Fagus sylvatica* (Beech)

Grid reference O236382

Stereum hirsutum

Stop 4.9 *Fagus sylvatica* (Beech)

Grid reference O236381

Coprinus micaceus

Stop 4.10 Decaying wood near *Rhododendron*

Grid reference O236381

Ceratiomyxa fruticulosa

Stop 4.11 Soil and leaf litter under Beech and Oak

Grid reference O236380

Cystolepiota sistrata

Stop 4.12 *Larix decidua* (Larch) cones among leaf litter

Grid reference O236380



Myxomycete on *Larch* cones

Howth Demesne Mycorec Database Report

Taxonomic Index

Anamorphic fungi

hyphomycetous anamorph

Lepraria incana

- as *Lepraria incana* agg., 16271, rock, cliff, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.9. Muck Rock.
- as *Lepraria incana* agg., 16264, *Acer pseudoplatanus*, bark, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.6.
- as *Lepraria incana* agg., 16250, *Larix decidua*, bark, woodland, Site: Howth, O280383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.2.
- as *Lepraria incana* agg., 16481, *Quercus*, bark, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.13. Girth c. 420 cm.
- as *Lepraria incana* agg., 16182, *Quercus*, bark, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 6. Girth 280 cm. Ivy also.
- as *Lepraria incana* agg., 16174, *Rhododendron*, wood, woodland, Site: Howth, O279383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 2 Larch and Scot's Pine here also.

Verticillium lateritium

- 17195, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Ascomycota

Ascomycetes

Arthoniales

Arthoniaceae

Arthonia radiata

- 16186, *Acer pseudoplatanus*, stick, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 7.

Chrysothricaceae

Chrysothrix candelaris

- 16380, *Fraxinus excelsior*, twigs, woodland, Site: Howth, O282380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.30. Oak and Beech also. This tree visited previously.
- 16241, *Fraxinus excelsior*, bark, woodland edge, Site: Howth, O28203809, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 35 Edge of golf course.

Roccellaceae

Enterographa crassa

- 16183, *Quercus*, bark, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 6. Girth 280 cm. Ivy also.

Opegrapha atra

- 16361, *Fraxinus excelsior*, bark, woodland strip, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.27 by reservoir.

Opegrapha vulgata

- 16263, *Acer pseudoplatanus*, bark, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.6.

Schismatomma cretaceum

- 16359, *Acer pseudoplatanus*, bark, woodland, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.26 with *Circeaea luetina* in hollow.
- 16479, *Quercus*, bark, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.13. Girth c. 420 cm.

Schismatomma decolorans

- 16480, *Quercus*, bark, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.13. Girth c. 420 cm.

Dothideales

Pteridiospora scoriadea

- 16318, *Betula*, wood, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.17 Birch, Austrian Pine also.

Erysiphales

Erysiphaceae

Erysiphe heraclei

- 16360, *Heracleum sphondylium*, leaf, woodland strip, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.27 by reservoir.

Microsphaera alphitoides

- 16411, *Pteridium aquilinum*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.37.

Uncinula necator

- 16246, *Acer*, leaves, woodland, Site: Howth, O280383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.1.

Helotiales

Helotiaceae

Ascocoryne sarcoides

- as *Coryne sarcoides*, 17197, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Leotiaceae***Leotia lubrica***

17518, *Acer pseudoplatanus*, leaf litter, woodland, Site: Howth, O236382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/10/2006, Notes: Stop 4.6.

Rutstroemiaceae***Poculum firimum***

as *Rutstroemia firma*, 16329, *Fagus sylvatica*, beech nut, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.

as *Rutstroemia firma*, 16358, *Fagus sylvatica*, beech nuts, woodland, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.25 with *Circeaea luleta* in hollow.

Hypocreales**Hypocreaceae*****Hypomyces chrysospermus***

as *Sepedonium chrysospermum*, 16293, *Boletus*, soil, hilltop outcrop, Site: Howth, O279381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.14. Scot's Pine here.

as *Sepedonium chrysospermum*, 16498, *Boletus*, *Quercus*, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.16. Birch also.

as *Sepedonium chrysospermum*, 16234, *Boletus edulis*, *Betula*, woodland, Site: Howth, O281380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 31 Oak and Alder here also.

as *Sepedonium chrysospermum*, 16313, *Boletus luridus*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.

as *Sepedonium chrysospermum*, 16220, *Paxillus involutus*, *Betula*, woodland edge, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 22 by path.

as *Sepedonium chrysospermum*, 16500, *Paxillus involutus*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.16. Birch also.

Nectriaceae***Nectria cinnabarina***

16197, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 15 Fallen tree, with Beech and Oak.

Orbiliaceae***Orbilbia auricolor***

17196, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Lecanorales**Acarosporaceae*****Acarospora fuscata***

16300, rock, heathland, Site: Howth, O279381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.15. Open hilltop.

16292, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.13 Muck Rock.

Cladoniaceae***Cladonia polydactyla* var. *polydactyla***

as *Cladonia polydactyla*, 16284, peat, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.11. Muck Rock.

as *Cladonia polydactyla*, 16274, *Rhododendron*, peat, cliff, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.10. Muck Rock.

as *Cladonia polydactyla*, 16269, *Rhododendron*, bark, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.8 near *Festuca ovina*.

Cladonia portentosa

16285, peat, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.11. Muck Rock.

16297, peat, heathland, Site: Howth, O279381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.15. Open hilltop.

16228, *Calluna vulgaris*, peat, heathland, Site: Howth, O278378, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 28.

Cladonia uncialis* subsp. *biuncialis

16298, peat, heathland, Site: Howth, O279381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.15. Open hilltop.

Leproloma membranaceum

as *Lepraria membranacea*, 16281, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.11. Muck Rock.

Lecanoraceae***Lecanora chlarotera***

16210, *Acer pseudoplatanus*, twigs, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 19.

16184, *Acer pseudoplatanus*, stick, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 7.

16245, *Fraxinus excelsior*, bark, woodland edge, Site: Howth, O28203809, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 35 Edge of golf course.

Lecanora expallens

16377, *Populus alba*, bark, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course. Fertile lichen.

16391, *Ulex europaeus*, bark, heathland, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.34 by track.

Lecanora orosthea

16276, mineral concentration in rock, cliff, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.10. Muck Rock.

Lecidella elaeochroma f. elaeochroma

as *Lecidella elaeochroma*, 16379, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course.

Parmeliaceae***Evernia prunastri***

16185, *Acer pseudoplatanus*, stick, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 7.
16465, *Fagus sylvatica*, twigs, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.8.

With *Betula* and *Rubus fruticosus*.

16251, *Larix decidua*, twig, woodland, Site: Howth, O280383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.2 On ground.

16368, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course.

Flavoparmelia caperata

16283, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.11. Muck Rock.

16243, *Fraxinus excelsior*, bark, woodland edge, Site: Howth, O28203809, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 35 Edge of golf course.

16373, *Populus alba*, bark, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course.

16482, *Quercus*, bark, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.13. Girth c. 420 cm.

Hypogymnia physodes

16295, rock, heathland, Site: Howth, O279381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.15. Open hilltop.

16378, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course.

Hypotrachyna revoluta

16366, *Acer pseudoplatanus*, bark, woodland strip, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.27 by reservoir.

Melanelia fuliginosa subsp. fuliginosa

16288, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.13 Muck Rock.

Melanelia fuliginosa subsp. glabrata

as *Melanelia glabrata*, 16279, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.11. Muck Rock.

Melanelia subaurifera

16375, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course.

Parmelia omphalodes

16277, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.11. Muck Rock.

Parmelia saxatilis

16278, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.11. Muck Rock.

Parmelia sulcata

16187, *Acer pseudoplatanus*, stick, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 7.

16371, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course.

Parmotrema chinense

as *Parmotrema perlatum*, 16209, *Acer pseudoplatanus*, bark, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 19.

Punctelia subrudecta

16372, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course.

Usnea cornuta

16270, rock, cliff, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.9. Muck Rock.

Usnea flammea

16296, rock, heathland, Site: Howth, O279381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.15. Open hilltop.

Usnea subfloridana

16282, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.11. Muck Rock.

16242, *Fraxinus excelsior*, bark, woodland edge, Site: Howth, O28203809, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 35 Edge of golf course.

Xanthoparmelia conspersa

16299, rock, heathland, Site: Howth, O279381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.15. Open hilltop.

16291, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.13 Muck Rock.

Physciaceae***Physcia tenella***

16363, *Fraxinus excelsior*, twig, woodland strip, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.27 by reservoir.

16376, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course. Fruiting lichen.

Ramalinaceae***Ramalina farinacea***

16464, *Fagus sylvatica*, twigs, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.8. With *Betula* and *Rubus fruticosus*.

16370, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course.

16483, *Quercus*, twigs, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.13. Girth c. 420 cm.

Ramalina fastigiata

16369, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course.

Rhizocarpaceae***Rhizocarpon geographicum***

16287, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.13 Muck Rock.

16301, rock, heathland, Site: Howth, O279381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.15. Open hilltop.

Rhizocarpon lavatum

as *Rhizocarpon obscuratum*, 16289, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.13 Muck Rock.

Ostropales**Graphidaceae*****Graphis elegans***

16208, *Acer pseudoplatanus*, bark, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 19.

16314, *Betula*, wood, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.

16267, *Betula*, bark, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.7.

16223, *Betula*, bark, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 25 large tree by wall with Alder.

Graphis scripta

16265, *Acer pseudoplatanus*, bark, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.6.

16475, *Sorbus aucuparia*, bark, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.11.

Peltigerales**Peltigeraceae*****Peltigera lactucifolia***

16385, peat, heathland, Site: Howth, O284379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.31.

16456, *Grasses*, soil, heathland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.5.

Pertusariales**Pertusariaceae*****Pertusaria amara* f. *amara***

as *Pertusaria amara*, 16244, *Fraxinus excelsior*, bark, woodland edge, Site: Howth, O28203809, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 35 Edge of golf course.

Pezizales**Pezizaceae*****Iodophanus carneus***

as *Ascophanus carneus*, 17199, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Peziza badia

16441, logs, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.51.

16193, *Acer pseudoplatanus*, log, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 13.

16467, *Quercus*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.8. Very large specimen.

Pyronemataceae***Anthracobia macrocystis***

17311, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 5.

17312, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 6.

17426, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 6.

17362, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 6.

17413, *Betula*, burnt soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 5.

17292, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 5.

17376, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 5.

17395, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 6.

17461, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 5.

17462, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 6.

17414, *Betula*, burnt soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 6.

17425, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 5.

17394, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 5.

17337, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 6.

17336, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 5.

17335, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 3.

17361, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 5.

17377, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 6.

17293, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 6.

17444, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 5.

17445, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 6.

Cheilymenia oligotricha

as *Lachnea dalmaniensis*, 17201, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Fimaria hepatica

as *Ascobolus vinosus*, 17198, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Scutellinia scutellata

16235, *Quercus*, soil, woodland, Site: Howth, O282380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 32.

Trichophaea hybrida

as *Lachnea hybrida*, 17200, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Pleosporales

Lophiostomataceae

Lophiostoma angustilabrum

16392, *Ulex europaeus*, branches, heathland, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 17/09/2006, Notes: Stop 2.34 by track. Shaded, dead branches.

Rhytismatales

Rhytismataceae

Rhytisma acerinum

17517, *Acer pseudoplatanus*, leaves, woodland, Site: Howth, O236382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/10/2006, Notes: Stop 4.6.

16257, *Acer pseudoplatanus*, leaf, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.4b.

16192, *Acer pseudoplatanus*, leaf, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 13.

16364, *Acer pseudoplatanus*, leaf, woodland strip, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.27 by reservoir.

Sordariales

Lasiosphaeriaceae

Lasiosphaeria ovina

17203, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Teloschistales

Fuscideaceae

Fuscidea cyathoides* var. *cyathoides

as *Fuscidea cyathoides*, 16275, quartzite, cliff, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.10. Muck Rock.

as *Fuscidea cyathoides*, 16280, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.11. Muck Rock.

as *Fuscidea cyathoides*, 16290, rock, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.13 Muck Rock.

Teloschistaceae

Xanthoria parietina

16362, *Fraxinus excelsior*, twig, woodland strip, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.27 by reservoir.

16374, *Populus alba*, twigs, woodland strip, Site: Howth, O283381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.29. Girth approx. 1.5 m. Middle of golf course. Tiny amount.

Xylariales

Xylariaceae

Xylaria hypoxylon

17202, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

16535, dead wood, woodland, Site: Howth, O278383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.33. On ground.

Xylaria polymorpha

16201, *Fagus sylvatica*, wood, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 16
Fallen tree across path.

Taphrinomycetes

Taphrinales

Taphrinaceae

Taphrina amentorum

as *Taphrina alni*, 16417, *Alnus glutinosa*, fruits, woodland, Site: Howth, O285380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.39. By large Birch.

Basidiomycota

Basidiomycetes

Agaricales

Agaricaceae

Agaricus xanthodermus* var. *xanthodermus

as *Agaricus xanthodermus*, 17159, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Cystolepiota seminuda

as *Cystolepiota sistrata*, 17523, *Fagus sylvatica*, wood, woodland, Site: Howth, O236380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/10/2006, Notes: Stop 4.11. With Oak.

as *Lepiota sistrata*, 16513, *Betula*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.22 Rhododendron also.

Lepiota acutesquamosa

17194, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Lepiota cristata

16469, *Quercus*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.8.

Lepiota felina

17302, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 14. *Pteridium aquilinum*.

17295, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 15.

17321, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 15.

17502, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 14. *Pteridium aquilinum*.

17294, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 14. *Pteridium aquilinum*.

17320, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 14. *Pteridium aquilinum*.

17502, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 14. *Pteridium aquilinum*.

17302, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 14. *Pteridium aquilinum*.

17369, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 14. *Pteridium aquilinum*.

17320, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 14. *Pteridium aquilinum*.

Macrolepiota procera

16214, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 20 with Horse Chestnut and Pine.

16440, *Fagus sylvatica*, soil, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.50. Sycamore also.

16381, *Quercus*, soil, woodland, Site: Howth, O282380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.30. Ash and Beech also.

Bolbitiaceae***Bolbitius vitellinus***

16437, *Fraxinus excelsior*, soil, woodland, Site: Howth, O282380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.47.

Hebeloma crustuliniforme

16451, *Rhododendron*, soil, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.3. *Rhododendron* tunnel with campfire site.

Hebeloma sacchariolum

16409, *Pteridium aquilinum*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.37.

Naucoria erinacea

17167, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Naucoria escharoides

17168, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Panaeolus semiovatus* var. *semiovatus

as *Panaeolus semiovatus*, 17390, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.

Clavariaceae***Clavaria fragilis***

17146, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

17145, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Clavulinopsis luteoalba

16365, *Acer pseudoplatanus*, soil, woodland strip, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.27 by reservoir.

Macrotyphula fistulosa

as *Clavariadelphus fistulosus*, 17495, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 3.

as *Clavariadelphus fistulosus*, 17478, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 3.

Macrotyphula juncea

17516, *Fagus sylvatica*, wood, woodland, Site: Howth, O235382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/10/2006, Notes: Stop 4.5.

Coprinaceae***Coprinus***

17382, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.

17485, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 2.

17279, *Pteridium aquilinum*, soil, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 13.

Coprinus disseminatus

17317, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.

17467, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 7. *Deschamsia flexuosa*.

17266, *Betula*, wood, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.

17343, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

17267, *Betula*, wood, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.

17342, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.

17318, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 9. *Deschamsia flexuosa*.

17300, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.

Coprinus micaceus

16179, log, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 5. Ivy also.

17521, *Fagus sylvatica*, wood, woodland, Site: Howth, O236381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/10/2006, Notes: Stop 4.9.

Coprinus plicatilis

17514, *Grasses*, soil, woodland, Site: Howth, O235384, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/10/2006, Notes: Stop 4.3.

Psathyrella corrugis

as *Psathyra corrugis*, 17153, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Psathyrella piluliformis

as *Hypholoma hydrophila*, 17156, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Cortinariaceae

Cortinarius

16412, *Fagus sylvatica*, soil, woodland, Site: Howth, O285380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.38. Sycamore, Scot's Pine.

Cortinarius elatior

17164, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Cortinarius hemitrichus

17162, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Cortinarius hinnuleus

17161, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Cortinarius leucopus

17160, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Cortinarius paleaceus

17163, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

16310, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.

16516, *Fagus sylvatica*, soil, woodland, Site: Howth, O278380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.24.

Cortinarius semisanguineus

16474, *Alnus glutinosa*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.10 Oak, Rhododendron, Bramble.

Galerina badipes

as *Naucoria badipes*, 17166, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Inocybe

16342, *Betula*, leaf litter, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21. Brown colour.

Inocybe asterospora

17170, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Inocybe cincinnata

17169, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Inocybe petiginosa

17344, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 14. *Pteridium aquilinum*.

Tubaria furfuracea

17165, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Entolomataceae

Entoloma

16294, peat, heathland, Site: Howth, O279381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.15. Open hilltop.

Entoloma conferendum

as *Nolanea stauropora*, 16455, *Rhododendron*, soil, heathland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.5. Near *Cladonia uncialis* patch.

Entoloma incanum

as *Leptonia incana*, 17172, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Entoloma ortonii

as *Nolanea farinolens*, 16503, *Betula*, soil, woodland, Site: Howth, O279380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.18 near stone wall.

Hydnangiaceae

Laccaria amethystina

16332, *Fagus sylvatica*, leaf litter, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.

16407, *Pteridium aquilinum*, wood, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.37.

Laccaria laccata

16315, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.17 Birch, Austrian Pine also.

16355, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.23. With *Sambucus nigra*.

16473, *Alnus glutinosa*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.10 Oak, Rhododendron, Bramble.

16400, *Betula*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.36. Oak also.

16222, *Betula*, soil, woodland edge, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 24 by path with Bracken and Rhododendron.

- 16335, *Betula*, soil, woodland, Site: Howth, O279380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.19 Mossy bank.
- 16226, *Betula*, bark, woodland, Site: Howth, O278378, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 27 opposite rocky knoll of Ben of Howth.
- 16253, *Betula pendula*, soil, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.4 near steps.
- 16325, *Fagus sylvatica*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.
- 16351, *Fagus sylvatica*, leaf litter, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21b.
- 16428, *Quercus*, wood, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.42 Birch and Beech also.
- 16466, *Quercus*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.8.

Lycoperdaceae

Calvatia gigantea

- 16367, *Fraxinus excelsior*, soil, woodland strip, Site: Howth, O282382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.28 by reservoir in grass.

Lycoperdon perlatum

- 16471, *Betula*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.9. *Rubus fruticosus* agg..

Lycoperdon pyriforme

- 16206, soil, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 18 near path, by dead logs.
- 16531, *Fagus sylvatica*, soil, woodland, Site: Howth, O281380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.30.

Marasmiaceae

Armillaria mellea

- 16442, logs, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.51.
- 16439, log, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.49.
- 16514, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.23.
- 16188, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 8 near *Castanea sativa*.
- 16255, *Betula pendula*, wood, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.4 near steps.
- 16202, *Fagus sylvatica*, wood, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 16 Fallen tree across path.

Macrocystidia cucumis

- 16346, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.

Oudemansiella mucida

- 16490, *Fagus sylvatica*, bark, grove, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.14. Scot's Pine and Birch.

Pleurotaceae

Pleurotus ostreatus

- 16476, *Sorbus aucuparia*, bark, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.11.

Pluteaceae

Amanita fulva

- 16463, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.7. Dead wood.
- 16501, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.17.
- 16218, *Betula*, soil, woodland edge, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 22 by path.
- 16306, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.
- 16496, *Betula*, soil, woodland, Site: Howth, O278380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.15. Mosses.
- 16344, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.

Amanita muscaria

- 16317, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.17 Birch, Austrian Pine also.
- 16472, *Alnus glutinosa*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.10 Oak, Rhododendron, Bramble.
- 16350, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.
- 17243, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/10/1995, Notes: Releve 4.
- 16221, *Betula*, soil, woodland edge, Site: Howth, O279380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 23 by path with Bracken and Rhododendron.
- 17280, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 10.
- 16398, *Betula*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.36. Oak also.
- 17252, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 10.
- 17264, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 3.
- 17310, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 10.
- 17244, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/10/1995, Notes: Releve 10.
- 17242, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/10/1995, Notes: Releve 2.
- 17251, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 3.

- 16511, *Betula*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.21.
 16302, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.
 17296, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 10.
 16493, *Fagus sylvatica*, soil, grove, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.14. Scot's Pine and Birch.

Amanita pantherina

- 16438, *Aesculus hippocastanum*, soil, grove, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.48.
 16529, *Fagus sylvatica*, soil, woodland, Site: Howth, O281380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.30.
 16478, *Quercus*, bark, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.12. Rhododendron.

Amanita rubescens* var. *rubescens

- as *Amanita rubescens*, 16429, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.43 Pine also.
 as *Amanita rubescens*, 16239, *Betula*, soil bank, woodland, Site: Howth, O283380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 33 with Rhododendron.
 as *Amanita rubescens*, 16512, *Betula*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.21.
 as *Amanita rubescens*, 16229, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 29.
 as *Amanita rubescens*, 16303, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.
 as *Amanita rubescens*, 16343, *Betula*, leaf litter, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.
 as *Amanita rubescens*, 16233, *Betula*, soil, woodland, Site: Howth, O281380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 31 Oak and Alder here also.
 as *Amanita rubescens*, 16415, *Fagus sylvatica*, soil, woodland, Site: Howth, O285380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.38. Sycamore, Scot's Pine.
 as *Amanita rubescens*, 16423, *Pteridium aquilinum*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.40.
 as *Amanita rubescens*, 16393, *Ulex europaeus*, peat, heathland, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.34.

Strophariaceae***Hypholoma fasciculare***

- 16172, wood, woodland, Site: Howth, O279383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 1 Steps behind Deerpark Hotel and Golf course.
 16191, log, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 12.
 16316, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.17 Birch, Austrian Pine also.
 17515, *Fagus sylvatica*, wood, woodland, Site: Howth, O235382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/10/2006, Notes: Stop 4.4.
 16405, *Ilex aquifolium*, wood, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.36. Dead Beech.
 16249, *Larix decidua*, wood, woodland, Site: Howth, O280383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.2.
 16447, *Larix decidua*, wood, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.1. Birch.
 16425, *Pteridium aquilinum*, wood, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.40.
 16408, *Pteridium aquilinum*, wood, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.37.
 16435, *Quercus*, wood, woodland, Site: Howth, O283380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.45.
 16258, *Quercus*, wood, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.5.
 16268, *Rhododendron*, bark, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.8.

Pholiota highlandensis

- as *Pholiota carbonaria*, 17510, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 14/02/1996, Notes: Releve 5.
 as *Pholiota carbonaria*, 17511, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 14/02/1996, Notes: Releve 6.

Psilocybe semilanceata

- 17154, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Psilocybe strictipes

- as *Psilocybe semilanceata* var. *caerulescens*, 17155, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Stropharia inuncta

- 17158, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Stropharia pseudocyanea

- as *Stropharia albocyanea*, 17157, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Tricholomataceae***Clitocybe dealbata***

16495, *Fagus sylvatica*, soil, grove, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.14. Scot's Pine and Birch. Deadly poisonous.

Clitocybe gibba

as *Clitocybe infundibuliformis*, 17379, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.

as *Clitocybe infundibuliformis*, 17415, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 4.

Clitocybe nebularis

16418, *Pteridium aquilinum*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.40.

Collybia butyracea* var. *butyracea

as *Collybia butyracea*, 17449, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 11.

as *Collybia butyracea*, 17428, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 11.

as *Collybia butyracea*, 17496, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 11.

as *Collybia butyracea*, 17481, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 11.

as *Collybia butyracea*, 17450, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 12.

as *Collybia butyracea*, 17497, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 12.

as *Collybia butyracea*, 17482, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 12.

as *Collybia butyracea*, 17363, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.

as *Collybia butyracea*, 17427, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

as *Collybia butyracea*, 17480, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 9. *Deschamsia flexuosa*.

as *Collybia butyracea*, 17479, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 4.

as *Collybia butyracea*, 17446, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.

as *Collybia butyracea*, 17447, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.

as *Collybia butyracea*, 17463, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 7. *Deschamsia flexuosa*.

as *Collybia butyracea*, 17448, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

as *Collybia butyracea*, 16515, *Fagus sylvatica*, leaf litter, woodland, Site: Howth, O278380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.24.

as *Collybia butyracea*, 17396, *Pteridium aquilinum*, soil, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 13.

as *Collybia butyracea*, 17338, *Pteridium aquilinum*, soil, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 13.

as *Collybia butyracea*, 17291, *Pteridium aquilinum*, soil, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 13.

as *Collybia butyracea*, 17380, *Pteridium aquilinum*, soil, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 13.

as *Collybia butyracea*, 17315, *Pteridium aquilinum*, soil, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 13.

as *Collybia butyracea*, 16427, *Quercus*, wood, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.41 Birch and Beech also.

as *Collybia butyracea*, 16389, *Ulex europaeus*, peat, heathland, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.34 by track.

Collybia confluens

17466, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 11.

17420, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 12.

17452, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.

16402, *Betula*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.36. Beech, Sycamore and Ash also.

16176, *Fagus sylvatica*, soil, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 4.

16494, *Fagus sylvatica*, soil, grove, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.14. Scot's Pine and Birch.

16530, *Fagus sylvatica*, leaf litter, woodland, Site: Howth, O281380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.30.

16419, *Pteridium aquilinum*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.40.

Collybia dryophila

17498, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 11.

17432, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 11.

17465, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 11.

17253, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 11.

17298, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 11.

17483, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 11.

- 17341, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 12.
- 17316, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 12.
- 17418, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 12.
- 17451, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 12.
- 17433, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 12.
- 17290, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 12.
- 17416, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17364, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 10.
- 17399, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17430, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17431, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 10.
- 17429, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17340, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17499, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 4.
- 17500, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17397, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17398, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17464, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17484, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 14. *Pteridium aquilinum*.
- 17501, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17289, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17339, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17297, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17417, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17381, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 15.
- 16434, *Fagus sylvatica*, soil, woodland, Site: Howth, O284380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.44.
- 16506, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.19. Row of Beech with Sycamore.
- 16323, *Fagus sylvatica*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.
- 17419, *Pteridium aquilinum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 13.
- 17254, *Pteridium aquilinum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 13.
- Collybia maculata* var. *maculata***
as *Collybia maculata*, 16387, *Betula*, peat, heathland, Site: Howth, O284379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.32 by track.
- Collybia peronata***
16431, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.43 Pine also.
- 16337, *Betula*, leaf litter, woodland, Site: Howth, O279380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.20.
- 16404, *Betula*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.36. Beech, Sycamore and Ash also.
- 16334, *Fagus sylvatica*, leaf litter, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.
- 16422, *Pteridium aquilinum*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.40.
- 16256, *Quercus*, soil, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.4b.
- Hygrocybe ceracea***
16383, peat, heathland, Site: Howth, O284379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.31.
- 16521, peat, heathland, Site: Howth, O284380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.27.
- Hygrocybe chlorophana***
as *Hygrophorus chlorophanus*, 17175, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.
- Hygrocybe coccinea***
16524, peat, heathland, Site: Howth, O284380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.27.
- Hygrocybe conica* var. *conica***
as *Hygrocybe conica*, 16523, peat, heathland, Site: Howth, O284380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.27.
- Hygrocybe irrigata***
as *Hygrophorus unguinosus*, 17176, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.
- Hygrocybe laeta* var. *laeta***
as *Hygrocybe laeta*, 16388, *Ulex europaeus*, peat, heathland, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.33 by track.

as *Hygrophorus laetus*, 17174, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Hygrocybe miniata

16520, peat, heathland, Site: Howth, O284380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.27.
16382, peat, heathland, Site: Howth, O284379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.31.
16520, peat, heathland, Site: Howth, O284380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.27.

Hygrocybe nitrata

as *Hygrophorus nitratus*, 17177, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Hygrocybe vitellina

16384, peat, heathland, Site: Howth, O284379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.31.

Lepista flaccida

as *Clitocybe flaccida*, 16525, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O283380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.28 near golf course.

as *Clitocybe flaccida*, 16534, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O278383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.32 Base of hill.

17513, *Arboretum*, soil, woodland, Site: Howth, O236382, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 21/10/2006, Notes: Stop 4.2.

16390, *Ulex europaeus*, peat, heathland, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.34 by track.

Melanoleuca cognata

17453, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.

17322, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 7.

17370, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.

Mycena

16341, *Betula*, leaf litter, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.

16240, *Betula*, soil bank, woodland, Site: Howth, O283380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 33 with *Rhodendron*.

16309, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.

16492, *Fagus sylvatica*, bark, grove, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.14. Scot's Pine and Birch.

16491, *Fagus sylvatica*, soil, grove, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.14. Scot's Pine and Birch.

16426, *Pteridium aquilinum*, wood, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.40.

16181, *Quercus*, soil, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 6. Girth 280 cm. Ivy also.

16173, *Rhododendron*, wood, woodland, Site: Howth, O279383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 2 Larch and Scot's Pine here also.

Mycena acicula

17191, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Mycena aetites

17474, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 7. *Deschamsia flexuosa*.

17494, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 2.

Mycena amicta

17192, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Mycena capillaris

16259, *Quercus*, leaf litter, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.5.

Mycena clavicularis

16199, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 15 Fallen tree, with Beech and Oak.

16248, *Larix decidua*, Larch cone, woodland, Site: Howth, O280383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.2.

Mycena epipterygia* var. *epipterygia

as *Mycena epipterygia*, 17303, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 4.

as *Mycena epipterygia*, 17421, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.

as *Mycena epipterygia*, 17407, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 6.

as *Mycena epipterygia*, 17406, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

as *Mycena epipterygia*, 17405, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.

as *Mycena epipterygia*, 17422, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

as *Mycena epipterygia*, 17423, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.

as *Mycena epipterygia*, 17437, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

- as *Mycena epipterygia*, 17434, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 3.
- as *Mycena epipterygia*, 17347, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17471, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 3.
- as *Mycena epipterygia*, 17288, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17287, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17286, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 6.
- as *Mycena epipterygia*, 17271, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17456, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 4.
- as *Mycena epipterygia*, 17436, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 16308, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.
- as *Mycena epipterygia*, 17487, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 4.
- as *Mycena epipterygia*, 17285, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 4.
- as *Mycena epipterygia*, 17488, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17305, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17486, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 3.
- as *Mycena epipterygia*, 17324, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 6.
- as *Mycena epipterygia*, 17489, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17270, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 6.
- as *Mycena epipterygia*, 17454, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17490, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17424, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 17/11/1995, Notes: Releve 10.
- as *Mycena epipterygia*, 17470, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17371, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17273, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17468, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17272, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17326, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17469, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17438, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17268, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 3.
- as *Mycena epipterygia*, 17325, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17435, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 4.
- as *Mycena epipterygia*, 17304, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17306, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 10.
- as *Mycena epipterygia*, 17472, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 4.
- as *Mycena epipterygia*, 17323, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 5.
- as *Mycena epipterygia*, 17350, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 6.
- as *Mycena epipterygia*, 17348, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

- as *Mycena epipterygia*, 17352, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 3.
- as *Mycena epipterygia*, 17269, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 4.
- as *Mycena epipterygia*, 17351, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 5.
- as *Mycena epipterygia*, 17455, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Mycena epipterygia*, 17349, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.

Mycena filopes

- 16446, *Larix decidua*, soil, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.1. Birch.
- 16247, *Larix decidua*, soil, woodland, Site: Howth, O280383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.2.
- 16453, *Rhododendron*, soil, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.5.

Mycena galopus* var. *nigra

- as *Mycena leucogala*, 17189, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.
- as *Mycena leucogala*, 16487, *Quercus*, soil, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.13. Girth c. 420 cm.

Mycena inclinata

- 16460, wood, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.7. Dead tree.
- 17439, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 2.
- 17473, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 2.
- 17457, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 4.
- 17491, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17492, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 3.
- 17493, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 09/12/1995, Notes: Releve 4.
- 17458, *Betula*, burnt ground, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 6.

Mycena pelianthina

- 16333, *Fagus sylvatica*, leaf litter, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.

Mycena polygramma

- 16190, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 10 near logs across path.
- 17512, *Fagus sylvatica*, wood, woodland, Site: Howth, O237382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/10/2006, Notes: Stop 4.1.

Mycena pura* var. *pura

- as *Mycena pura*, 16357, *Sambucus nigra*, wood, woodland, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.24 Near reservoir. With Elder and Beech.
- as *Mycena pura*, 16394, *Ulex europaeus*, peat, heathland, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.34.

Mycena sanguinolenta

- 17190, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Phaeolepiota aurea

- as *Pholiota spectabilis*, 17171, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Rickenella fibula

- as *Mycena fibula*, 16454, *Rhododendron*, soil, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.5.
- 16322, *Quercus*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Beech and Birch here.

Tephrocye rancida

- as *Collybia rancida*, 17299, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 9. *Deschamsia flexuosa*.

Tricholoma fulvum

- 17412, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

Tricholoma inamoenum

- 17193, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Tricholomopsis rutilans

- 17393, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 16348, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.

Auriculariales**Auriculariaceae*****Auricularia auricula-judae***

- 16196, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 15 Fallen tree, with Beech and Oak.
- 16532, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O281380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.30.

Boletales**Boletaceae*****Boletus***

- 17378, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 3.
- 16497, *Quercus*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.16. Birch also.

Boletus edulis

- 16216, *Aesculus hippocastanum*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 20 on bank near path.
- 16286, *Betula*, soil, hilltop outcrop, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.12. Sheltered area.
- 16399, *Betula*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.36. Oak also.
- 16232, *Quercus*, soil, woodland, Site: Howth, O281380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 31 Birch and Alder here also.

Boletus erythropus

- 17152, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Boletus luridus

- 16312, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.

Leccinum holopus

- 17400, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17401, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

Leccinum oxydabile

- 17402, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

Leccinum scabrum* var. *scabrum

- as *Leccinum scabrum*, 17403, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Leccinum scabrum*, 17366, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- as *Leccinum scabrum*, 17301, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Leccinum scabrum*, 17404, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- as *Leccinum scabrum*, 17365, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.

Leccinum variicolor

- 17255, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 2.
- 17319, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 10.

Leccinum versipelle

- 17383, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 16519, *Betula*, soil, woodland, Site: Howth, O283380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.26 near heath with old Oak.
- 17368, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17367, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 16217, *Betula*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 21. Large specimen under Ferns.

Xerocomus chrysenteron

- 16319, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.17 Birch, Austrian Pine also.
- 16403, *Betula*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.36. Beech, Sycamore and Ash also.
- 16396, *Fagus sylvatica*, soil, woodland edge, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.35.
- 16213, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 20 with Horse Chestnut and Pine.
- 16175, *Quercus*, soil, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 3 Ash and Laurel also.
- 16324, *Quercus*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Beech and Birch here.
- 16470, *Quercus*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.8.

Xerocomus porosporus

- as *Boletus porosporus*, 17314, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- as *Boletus porosporus*, 17313, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.

Hygrophoropsidaceae***Hygrophoropsis aurantiaca***

- as *Cantharellus aurantiacus*, 17173, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Paxillaceae***Paxillus involutus***

- 17386, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 1.
- 17459, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 1.
- 16537, soil, woodland, Site: Howth, O276383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.35. Near boulders under Muck Rock.
- 16533, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.31.
- 17332, *Aesculus hippocastanum*, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 12.

- 17261, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17262, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17282, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17283, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17284, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 4.
- 17388, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 3.
- 17278, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17260, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 4.
- 17276, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17329, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17259, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 3.
- 17385, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17387, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 2.
- 16504, *Betula*, soil, woodland, Site: Howth, O279380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.18 near stone wall.
- 17389, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 4.
- 17275, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 4.
- 17476, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17309, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17274, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 2.
- 17408, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17409, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17411, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 10.
- 17374, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 2.
- 17384, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 16349, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.
- 17372, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17440, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 4.
- 17441, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17442, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 10.
- 17258, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 2.
- 17327, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 3.
- 17355, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 4.
- 17460, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 27/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17358, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17359, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 10.
- 16219, *Betula*, soil, woodland edge, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 22 by path.
- 17308, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17307, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 25/10/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17360, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 14. *Pteridium aquilinum*.
- 16231, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 29.
- 17330, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 17354, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 3.
- 17353, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 2.
- 16386, *Betula*, peat, heathland, Site: Howth, O284379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.32 by track.
- 17410, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 12/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17373, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17328, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 4.
- 17475, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17357, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 16227, *Betula*, bark, woodland, Site: Howth, O278378, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 27 opposite rocky knoll of Ben of Howth.
- 17263, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17247, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/10/1995, Notes: Releve 7. *Deschamsia flexuosa* also.

- 17248, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/10/1995, Notes: Releve 8. *Deschamsia flexuosa* also.
- 17249, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/10/1995, Notes: Releve 9. *Deschamsia flexuosa* also.
- 17333, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 14. *Pteridium aquilinum*.
- 17356, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 7. *Deschamsia flexuosa*.
- 17250, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/10/1995, Notes: Releve 10. *Rubus fruticosus* agg. also.
- 17331, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 9. *Deschamsia flexuosa*.
- 17277, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 8. *Deschamsia flexuosa*.
- 16499, *Quercus*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.16. Birch also.
- 16448, *Ulex europaeus*, soil, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.2. Muck Rock summit.

Sclerodermataceae

Scleroderma verrucosum

- 17143, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Cantharellales

Clavulinaceae

Clavulina coralloides

- as *Clavulina cristata*, 16436, wood, woodland, Site: Howth, O282380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.46.
- as *Clavulina cristata*, 16238, *Betula*, soil bank, woodland, Site: Howth, O283380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 33 with Rhododendron.

Dacrymycetales

Dacrymycetaceae

Calocera cornea

- 17144, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Calocera viscosa

- 17519, wood, woodland, Site: Howth, O236382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/10/2006, Notes: Stop 4.7.

Dacrymyces stillatus

- 16449, *Rhododendron*, burnt log, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.3. Rhododendron tunnel with campfire site.

Hymenochaetales

Schizoporaceae

Hyphodontia sambuci

- 16354, *Sambucus nigra*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.22. West of reservoir.

Phallales

Phallaceae

Mutinus caninus

- as *Cynophallus caninus*, 17211, Site: Howth, Col.: BMS DNFC, 17/09/1898, Notes: The Irish Naturalist November 1898.

Polyporales

Fomitopsidaceae

Piptoporus betulinus

- 16459, *Betula*, soil, woodland, Site: Howth, O277382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.6. Fallen tree.
- 16311, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.

Ganodermataceae

Ganoderma applanatum

- 16356, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O281382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.24 Near reservoir. With Elder and Beech.
- 16203, *Fagus sylvatica*, wood, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 17 Dying tree.
- 16194, *Quercus*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 14 Dying tree with woodworm.

Ganoderma australe

- as *Ganoderma adspersum*, 16212, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 20 with Horse Chestnut and Pine.

Hapalopilaceae

Bjerkandera adusta

- as *Polyporus adustus*, 17150, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Meruliaceae

Mycocacia uda

- as *Hydnum udum*, 17148, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Polyporaceae

Daedaleopsis confragosa

- 16444, *Betula*, bark, woodland, Site: Howth, O279380, Dublin, Col.: Howard Fox, Det.: Howard Fox, 23/09/2006, Notes: Rhododendron thicket with Beechwood.

Polyporus squamosus

16353, *Fraxinus excelsior*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.22. West of reservoir.

Trametes versicolor

16207, wood, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 18 dead logs.

16200, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 15 Fallen tree, with Beech and Oak.

16266, *Betula*, wood, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.7.

16204, *Fagus sylvatica*, wood, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 17 Dying tree.

16510, *Pinus sylvestris*, wood, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.20. Tree lying across path.

16261, *Quercus*, wood, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.5.

Trichaptum abietinum

as *Polystictus abietinus*, 17149, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Tyromyces chioneus

as *Polyporus chioneus*, 17151, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Russulales**Auriscalpiaceae*****Auriscalpium vulgare***

as *Hydnum auriscalpium*, 17147, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Peniophoraceae***Peniophora quercina***

16260, *Quercus*, wood, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.5.

Russulaceae***Lactarius***

16237, *Betula*, soil bank, woodland, Site: Howth, O283380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 33 with Rhododendron.

16347, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.

16406, *Pteridium aquilinum*, wood, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.37.

Lactarius blennius

16401, *Betula*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.36. Oak also.

16413, *Fagus sylvatica*, soil, woodland, Site: Howth, O285380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.38. Sycamore, Scot's Pine.

16326, *Fagus sylvatica*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.

16433, *Fagus sylvatica*, soil, woodland, Site: Howth, O284380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.44.

Lactarius camphoratus

17181, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

16536, *Quercus*, soil, woodland, Site: Howth, O278383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.34. Rhododendron also.

as *Lactarius cimirius*, 16517, *Fagus sylvatica*, soil, woodland, Site: Howth, O278380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.24.

Lactarius fuliginosus

17180, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Lactarius glyciosmus

17179, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

16458, *Betula*, soil, woodland, Site: Howth, O277382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.6.

Lactarius hepaticus

16488, *Fagus sylvatica*, soil, grove, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.14. Scot's Pine and Birch.

Lactarius plumbeus

16443, soil, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.51.

16336, *Betula*, soil, woodland, Site: Howth, O279380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.19 Mossy bank near base of stone wall.

Lactarius quietus

16485, *Quercus*, soil, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.13. Girth c. 420 cm.

16180, *Quercus*, soil, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 6. Girth 280 cm. Ivy also.

Lactarius subumbonatus

17182, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Lactarius tabidus

16430, *Acer pseudoplatanus*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.43 Pine also.

- 16338, *Betula*, leaf litter, woodland, Site: Howth, O279380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.20.
- 16224, *Betula*, bark, woodland, Site: Howth, O278378, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 26 with Bracken, near golf course.
- 16305, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.
- 16338, *Betula*, leaf litter, woodland, Site: Howth, O279380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.20.
- 16340, *Betula*, leaf litter, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.
- 16305, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.
- 16340, *Betula*, leaf litter, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.
- 16224, *Betula*, bark, woodland, Site: Howth, O278378, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 26 with Bracken, near golf course.
- 16254, *Betula pendula*, soil, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.4 near steps.
- 16507, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.19. Row of Beech with Sycamore.
- 16416, *Fagus sylvatica*, soil, woodland, Site: Howth, O285380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.38. Sycamore, Scot's Pine.
- 16211, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 20 with Horse Chestnut and Pine.
- 16321, *Fagus sylvatica*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.
- 16397, *Fagus sylvatica*, soil, woodland edge, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.35.
- 16321, *Fagus sylvatica*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.
- 16205, *Fagus sylvatica*, soil, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 17 Dying tree.
- 16489, *Fagus sylvatica*, soil, grove, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.14. Scot's Pine and Birch.
- 16397, *Fagus sylvatica*, soil, woodland edge, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.35.
- 16489, *Fagus sylvatica*, soil, grove, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.14. Scot's Pine and Birch.
- 16421, *Pteridium aquilinum*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.40.
- 16468, *Quercus*, soil, woodland, Site: Howth, O277380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.8.
- Lactarius turpis**
- 17178, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.
- 17245, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/10/1995, Notes: Releve 7. Deschamsia flexuosa also.
- 17345, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 7. Deschamsia flexuosa.
- 17346, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 03/11/1995, Notes: Releve 8. Deschamsia flexuosa.
- 17256, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 8. Deschamsia flexuosa.
- 17281, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 20/10/1995, Notes: Releve 9. Deschamsia flexuosa.
- 17265, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 13/10/1995, Notes: Releve 9. Deschamsia flexuosa.
- 17246, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/10/1995, Notes: Releve 9. Deschamsia flexuosa also.
- 17257, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 04/10/1995, Notes: Releve 9. Deschamsia flexuosa.
- Russula**
- 16189, *Fagus sylvatica*, soil, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 9 with Sycamore, near logs.
- 16528, *Fagus sylvatica*, soil, woodland, Site: Howth, O281380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.30.
- Russula atropurpurea**
- 16414, *Fagus sylvatica*, soil, woodland, Site: Howth, O285380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.38. Sycamore, Scot's Pine.
- 16526, *Fagus sylvatica*, soil, woodland, Site: Howth, O282380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.28 near golf course. Sycamore also.
- Russula betularum**
- 16457, *Betula*, soil, woodland, Site: Howth, O277382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.6.
- 16307, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.
- 16424, *Pteridium aquilinum*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.40.
- Russula brunneoviolacea**
- 17477, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 02/12/1995, Notes: Releve 1.
- 17443, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 21/11/1995, Notes: Releve 1.

Russula cyanoxantha

16215, *Aesculus hippocastanum*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 20 on bank near path.

16320, *Fagus sylvatica*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.

16410, *Fagus sylvatica*, soil, woodland, Site: Howth, O285381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.37. Bracken also.

Russula cyanoxantha* var. *peltareaui

16328, *Fagus sylvatica*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.

Russula fragilis

17187, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

17375, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 06/11/1995, Notes: Releve 7. Deschamsia flexuosa.

17334, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 30/10/1995, Notes: Releve 10.

17392, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 10.

17391, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 08/11/1995, Notes: Releve 7. Deschamsia flexuosa.

16509, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.19. Row of Beech with Sycamore.

Russula fragilis* var. *violascens

17188, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Russula galochroa

17184, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Russula gracillima

16345, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21.

Russula granulosa

17186, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Russula lutea

as *Russula armeniaca*, 17183, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Russula luteotacta

16462, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.7. Dead wood.

Russula mairei

16432, *Fagus sylvatica*, soil, woodland, Site: Howth, O284380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.44.

Russula nigricans

16445, *Betula*, bark, woodland, Site: Howth, O279380, Dublin, Col.: Howard Fox, Det.: Howard Fox, 23/09/2006, Notes: Rhododendron thicket with Beechwood.

16505, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.19. Row of Beech with Sycamore.

16518, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.25.

16327, *Fagus sylvatica*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.

16420, *Pteridium aquilinum*, soil, woodland, Site: Howth, O284381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.40.

16486, *Quercus*, soil, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.13. Girth c. 420 cm.

Russula ochroleuca

17509, leaf litter, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 28/12/1995, Notes: Releve 11.

17503, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 8. Deschamsia flexuosa.

17504, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 9. Deschamsia flexuosa.

16502, *Betula*, soil, woodland, Site: Howth, O279379, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.17.

17508, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 28/12/1995, Notes: Releve 10.

17507, *Betula*, soil, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 28/12/1995, Notes: Releve 8. Deschamsia flexuosa.

17505, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 15/12/1995, Notes: Releve 10.

16236, *Betula*, soil bank, woodland, Site: Howth, O283380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 33 with Rhodendron.

16304, *Betula*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.16. Side of Muck Rock.

17506, *Betula*, leaf litter, woodland, Site: Howth, Dublin, Col.: Julian Roche, Det.: Julian Roche, 28/12/1995, Notes: Releve 9. Deschamsia flexuosa.

16339, *Betula*, leaf litter, woodland, Site: Howth, O279380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.20.

16452, *Coniferae*, soil, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.4. Rhododendron tunnel.

16352, *Fagus sylvatica*, leaf litter, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.21b.

16330, *Fagus sylvatica*, soil, woodland, Site: Howth, O278381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.18 Sycamore, Oak and Birch here.

16262, *Quercus*, soil, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.5.

16484, *Quercus*, soil, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.13. Girth c. 420 cm.

16477, *Quercus*, bark, woodland, Site: Howth, O276381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.12. Rhododendron.

Russula queletii

16225, *Betula*, bark, woodland, Site: Howth, O278378, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 26 with Bracken, near golf course.

Russula sardonia

as *Russula drimeia*, 17185, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

Russula xerampelina

16508, *Fagus sylvatica*, soil, woodland, Site: Howth, O280380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.19. Row of Beech with Sycamore.

Stereaceae

Stereum hirsutum

17520, *Fagus sylvatica*, wood, woodland, Site: Howth, O236382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 21/10/2006, Notes: Stop 4.8.

16252, *Rhododendron*, wood, woodland, Site: Howth, O280383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.3.

16272, *Rhododendron*, wood, cliff, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.10. Muck Rock.

Stereum rugosum

16461, wood, woodland, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 25/09/2006, Notes: Stop 3.7. Dead wood.

16198, *Acer pseudoplatanus*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 15 Fallen tree, with Beech and Oak.

16331, *Rhododendron*, bark, woodland, Site: Howth, O280383, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.3.

Tremellales

Tremellaceae

Tremella mesenterica

16195, *Quercus*, wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 15 Fallen tree.

16273, *Rhododendron*, cut stumps, cliff, Site: Howth, O278382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.10. Muck Rock.

16450, *Rhododendron*, branch, woodland, Site: Howth, O280381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 25/09/2006, Notes: Stop 3.3. Rhododendron tunnel with campfire site.

Urediniomycetes

Uredinales

Phragmidiaceae

Phragmidium violaceum

16395, *Rubus fruticosus* agg., leaf, heathland, Site: Howth, O286380, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 17/09/2006, Notes: Stop 2.34.

Myxomycota

Myxomycetes

Physarales

Didymiaceae

Mucilago crustacea* var. *crustacea

as *Mucilago crustacea*, 16177, *Grasses*, blades, woodland, Site: Howth, O279382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 4.

Protosteliomycetes

Protosteliales

Ceratiomyxaceae

Ceratiomyxa fruticulosa* var. *fruticulosa

as *Ceratiomyxa fruticulosa*, 16230, rotting wood, woodland, Site: Howth, O280382, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 08/09/2006, Notes: Stop 11. Sycamore and Beech.

as *Ceratiomyxa fruticulosa*, 17522, wood, woodland, Site: Howth, O236381, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 21/10/2006, Notes: Stop 4.10. Rhododendron.

Oomycota

Oomycetes

Peronosporales

Peronosporaceae

Peronospora ficariae

17241, *Ranunculus repens*, leaf underside, Site: Howth, Dublin, Col.: J. Adams, Det.: J. Adams, 10/05/1912, Notes: New to Ireland.

Zygomycota

Zygomycetes

Mucorales

Pilobolaceae

Pilaira anomala

17204, Site: Howth, Dublin, Col.: BMS DNFC, 19/09/1898, Notes: Printed as *Pilaria anomala* in paper. Carleton Rea. The Irish Naturalist Dec. 1898. p. 286-289.

754 records, 241 species.

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 Cortinarius hinnuleus - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
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Hebeloma sacchariolum - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Hydnum auriscalpium - (= *Auriscalpium vulgare*), Basidiomycota, Basidiomycetes, Russulales, Auriscalpiaceae.
Hydnum udum - (= *Mycoacia uda*), Basidiomycota, Basidiomycetes, Polyporales, Meruliaceae.
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Hygrocybe coccinea - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hygrocybe conica - (= *Hygrocybe conica* var. *conica*), Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hygrocybe conica var. *conica* - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hygrocybe irrigata - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hygrocybe laeta - (= *Hygrocybe laeta* var. *laeta*), Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
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Hygrocybe miniata - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hygrocybe nitrata - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hygrocybe vitellina - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Hygrophoropsis aurantiaca - Basidiomycota, Basidiomycetes, Boletales, Hygrophoropsidaceae.
Hygrophorus chlorophanus - (= *Hygrocybe chlorophana*), Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
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Hypodontia sambuci - Basidiomycota, Basidiomycetes, Hymenochaetales, Schizoporaceae.
Hypholoma fasciculare - Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Hypholoma hydrophila - (= *Psathyrella piluliformis*), Basidiomycota, Basidiomycetes, Agaricales, Coprinaceae.
Hypogymnia physodes - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
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Inocybe - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
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Inocybe petiginosa - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
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Laccaria amethystina - Basidiomycota, Basidiomycetes, Agaricales, Hydnangiaceae.
Laccaria laccata - Basidiomycota, Basidiomycetes, Agaricales, Hydnangiaceae.
Lachnea dalmeniensis - (= *Cheilymenia oligotricha*), Ascomycota, Ascomycetes, Pezizales, Pyronemataceae.
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Lactarius - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Lactarius blennius - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Lactarius camphoratus - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Lactarius cemicarius - (= *Lactarius camphoratus*), Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
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Lecanora expallens - Ascomycota, Ascomycetes, Lecanorales, Lecanoraceae.
Lecanora orosthea - Ascomycota, Ascomycetes, Lecanorales, Lecanoraceae.
Leccinum holopus - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
Leccinum oxydabile - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
Leccinum scabrum - (= *Leccinum scabrum* var. *scabrum*), Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
Leccinum scabrum var. *scabrum* - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.

Leccinum variicolor - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
Leccinum versipelle - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
Lecidella elaeochroma - (= *Lecidella elaeochroma* f. *elaeochroma*), Ascomycota, Ascomycetes, Lecanorales, Lecanoraceae.
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Lepiota felina - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
Lepiota sistrata - (= *Cystolepiota seminuda*), Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
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Naucoria badipes - (= *Galerina badipes*), Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Naucoria erinacea - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Naucoria escharoides - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Nectria cinnabarina - Ascomycota, Ascomycetes, Hypocreales, Nectriaceae.
Nolanea farinolens - (= *Entoloma ortonii*), Basidiomycota, Basidiomycetes, Agaricales, Entolomataceae.
Nolanea staurospora - (= *Entoloma conferendum*), Basidiomycota, Basidiomycetes, Agaricales, Entolomataceae.
Opeggrapha atra - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Opeggrapha vulgata - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Orbilbia auricolor - Ascomycota, Ascomycetes, Incertae sedis, Orbiliaceae.
Oudemansiella mucida - Basidiomycota, Basidiomycetes, Agaricales, Marasmiaceae.
Panaeolus semiovatus - (= *Panaeolus semiovatus* var. *semiovatus*), Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Panaeolus semiovatus var. *semiovatus* - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Parmelia omphalodes - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Parmelia saxatilis - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Parmelia sulcata - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Parmotrema chinense - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Parmotrema perlatum - (= *Parmotrema chinense*), Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Paxillus involutus - Basidiomycota, Basidiomycetes, Boletales, Paxillaceae.
Peltigera lactucifolia - Ascomycota, Ascomycetes, Peltigerales, Peltigeraceae.
Peniophora quercina - Basidiomycota, Basidiomycetes, Russulales, Peniophoraceae.
Peronospora ficariae - Oomycota, Oomycetes, Peronosporales, Peronosporaceae.
Pertusaria amara - (= *Pertusaria amara* f. *amara*), Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Pertusaria amara f. *amara* - Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Peziza badia - Ascomycota, Ascomycetes, Pezizales, Pezizaceae.

Phaeolepiota aurea - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Pholiota carbonaria - (= *Pholiota highlandensis*), Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Pholiota highlandensis - Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Pholiota spectabilis - (= *Phaeolepiota aurea*), Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Phragmidium violaceum - Basidiomycota, Urediniomycetes, Uredinales, Phragmidiaceae.
Physcia tenella - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Pilaira anomala - Zygomycota, Zygomycetes, Mucorales, Pilobolaceae.
Piptoporus betulinus - Basidiomycota, Basidiomycetes, Polyporales, Fomitopsidaceae.
Pleurotus ostreatus - Basidiomycota, Basidiomycetes, Agaricales, Pleurotaceae.
Poculum firmum - Ascomycota, Ascomycetes, Helotiales, Rutstroemiaceae.
Polyporus adustus - (= *Bjerkandera adusta*), Basidiomycota, Basidiomycetes, Polyporales, Hapalopilaceae.
Polyporus chioneus - (= *Tyromyces chioneus*), Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
Polyporus squamosus - Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
Polystictus abietinus - (= *Trichaptum abietinum*), Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
Psathyra corrugis - (= *Psathyrella corrugis*), Basidiomycota, Basidiomycetes, Agaricales, Coprinaceae.
Psathyrella corrugis - Basidiomycota, Basidiomycetes, Agaricales, Coprinaceae.
Psathyrella piluliformis - Basidiomycota, Basidiomycetes, Agaricales, Coprinaceae.
Psilocybe semilanceata - Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Psilocybe semilanceata var. *caerulescens* - (= *Psilocybe strictipes*), Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Psilocybe strictipes - Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Pteridiospora scoriadea - Ascomycota, Ascomycetes, Dothideales, Incertae sedis.
Punctelia subrudecta - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Ramalina farinacea - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
Ramalina fastigiata - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
Rhizocarpon geographicum - Ascomycota, Ascomycetes, Lecanorales, Rhizocarpaceae.
Rhizocarpon lavatum - Ascomycota, Ascomycetes, Lecanorales, Rhizocarpaceae.
Rhizocarpon obscuratum - (= *Rhizocarpon lavatum*), Ascomycota, Ascomycetes, Lecanorales, Rhizocarpaceae.
Rhytisma acerinum - Ascomycota, Ascomycetes, Rhytismatales, Rhytismataceae.
Rickenella fibula - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Russula - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula armeniaca - (= *Russula lutea*), Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula atropurpurea - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula betularum - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula brunneoviolacea - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula cyanoxantha - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula cyanoxantha var. *pelteteau* - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula drimeia - (= *Russula sardonica*), Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula fragilis - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula fragilis var. *violascens* - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula galochroa - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula gracillima - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula granulosa - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula lutea - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula luteotacta - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula mairei - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula nigricans - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula ochroleuca - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula queletii - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula sardonica - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Russula xerampelina - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
Rutstroemia firma - (= *Poculum firmum*), Ascomycota, Ascomycetes, Helotiales, Rutstroemiaceae.
Schismatomma cretaceum - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Schismatomma decolorans - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Scleroderma verrucosum - Basidiomycota, Basidiomycetes, Boletales, Sclerodermataceae.
Scutellinia scutellata - Ascomycota, Ascomycetes, Pezizales, Pyrenomataceae.
Sepedonium chrysospermum - (= *Hypomyces chrysospermus*), Ascomycota, Ascomycetes, Hypocreales, Hypocreaceae.
Stereum hirsutum - Basidiomycota, Basidiomycetes, Russulales, Stereaceae.
Stereum rugosum - Basidiomycota, Basidiomycetes, Russulales, Stereaceae.
Stropharia albocyanea - (= *Stropharia pseudocyanea*), Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Stropharia inuncta - Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Stropharia pseudocyanea - Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
Taphrina alni - (= *Taphrina amentorum*), Ascomycota, Taphrinomycetes, Taphrinales, Taphrinaceae.
Taphrina amentorum - Ascomycota, Taphrinomycetes, Taphrinales, Taphrinaceae.
Tephrocye rancida - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Trametes versicolor - Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
Tremella mesenterica - Basidiomycota, Basidiomycetes, Tremellales, Tremellaceae.
Trichaptum abietinum - Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
Tricholoma fulvum - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Tricholoma inamoenum - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Tricholomopsis rutilans - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Trichophaea hybrida - Ascomycota, Ascomycetes, Pezizales, Pyrenomataceae.
Tubaria furfuracea - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Tyromyces chioneus - Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
Ucinula necator - Ascomycota, Ascomycetes, Erysiphales, Erysiphaceae.

Usnea cornuta - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
 Usnea flammea - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
 Usnea subfloridana - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
 Verticillium lateritium - Anamorphic fungi, hyphomycetous anamorph.
 Xanthoparmelia conspersa - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
 Xanthoria parietina - Ascomycota, Ascomycetes, Teloschistales, Teloschistaceae.
 Xerocomus chrysenteron - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
 Xerocomus porosporus - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
 Xylaria hypoxylon - Ascomycota, Ascomycetes, Xylariales, Xylariaceae.
 Xylaria polymorpha - Ascomycota, Ascomycetes, Xylariales, Xylariaceae.

Associated Organism Index

Acer

Uncinula necator.

Acer pseudoplatanus

Amanita muscaria, Amanita rubescens var. rubescens, Armillaria mellea, Arthonia radiata, Auricularia auricula-judae, Clavulinopsis luteoalba, Collybia peronata, Evernia prunastri, Ganoderma applanatum, Graphis elegans, Graphis scripta, Hypholoma fasciculare, Hypotrachyna revoluta, Laccaria laccata, Lactarius tabidus, Lecanora chlorotera, Leotia lubrica, Lepista flaccida, Lepraria incana, Mycena clavicularis, Mycena polygramma, Nectria cinnabarina, Opegrapha vulgata, Parmelia sulcata, Parmotrema chinense, Paxillus involutus, Peziza badia, Rhytisma acerinum, Schismatomma cretaceum, Stereum rugosum, Trametes versicolor, Xerocomus chrysenteron.

Aesculus hippocastanum

Amanita pantherina, Boletus edulis, Collybia butyracea var. butyracea, Collybia confluens, Collybia dryophila, Paxillus involutus, Russula cyanoxantha.

Alnus glutinosa

Amanita muscaria, Cortinarius semisanguineus, Laccaria laccata, Taphrina amentorum.

Arboretum

Lepista flaccida.

Betula

Amanita fulva, Amanita muscaria, Amanita rubescens var. rubescens, Anthracobia macrocystis, Boletus, Boletus edulis, Boletus luridus, Clavulina coralloides, Clitocybe gibba, Collybia butyracea var. butyracea, Collybia confluens, Collybia dryophila, Collybia maculata var. maculata, Collybia peronata, Coprinus, Coprinus disseminatus, Cortinarius paleaceus, Cystolepiota seminuda, Daedaleopsis confragosa, Entoloma ortonii, Graphis elegans, Inocybe, Inocybe petiginosa, Laccaria laccata, Lactarius, Lactarius blennius, Lactarius glycosmus, Lactarius plumbeus, Lactarius tabidus, Lactarius turpis, Leccinum holopus, Leccinum oxydabile, Leccinum scabrum var. scabrum, Leccinum variicolor, Leccinum versipelle, Lepiota felina, Lycoperdon perlatum, Macrocystidia cucumis, Macrotyphula fistulosa, Melanoleuca cognata, Mycena, Mycena aetites, Mycena epipterygia var. epipterygia, Mycena inclinata, Panaeolus semiovatus var. semiovatus, Paxillus involutus, Pholiota highlandensis, Piptoporus betulinus, Pteridiospora scoriadea, Russula betularum, Russula fragilis, Russula gracillima, Russula nigricans, Russula ochroleuca, Russula queletii, Tephroclype rancida, Trametes versicolor, Tricholoma fulvum, Tricholomopsis rutilans, Xerocomus chrysenteron, Xerocomus porosporus.

Betula pendula

Armillaria mellea, Laccaria laccata, Lactarius tabidus.

Boletus

Hypomyces chrysospermus.

Boletus edulis

Hypomyces chrysospermus.

Boletus luridus

Hypomyces chrysospermus.

Calluna vulgaris

Cladonia portentosa.

Coniferae

Russula ochroleuca.

Fagus sylvatica

Amanita muscaria, Amanita pantherina, Amanita rubescens var. rubescens, Armillaria mellea, Clitocybe dealbata, Collybia butyracea var. butyracea, Collybia confluens, Collybia dryophila, Collybia peronata, Coprinus micaceus, Cortinarius, Cortinarius paleaceus, Cystolepiota seminuda, Evernia prunastri, Ganoderma applanatum, Ganoderma australe, Hypholoma fasciculare, Laccaria amethystina, Laccaria laccata, Lactarius blennius, Lactarius camphoratus, Lactarius hepaticus, Lactarius tabidus, Lycoperdon pyriforme, Macrolepiota procera, Macrotyphula juncea, Mycena, Mycena pelianthina, Mycena polygramma, Oudemansiella mucida, Poculum firmum, Ramalina farinacea, Russula, Russula atropurpurea, Russula cyanoxantha, Russula cyanoxantha var. peltereaui, Russula fragilis, Russula mairei, Russula nigricans, Russula ochroleuca, Russula xerampelina, Stereum hirsutum, Trametes versicolor, Xerocomus chrysenteron, Xylaria polymorpha.

Fraxinus excelsior

Bolbitius vitellinus, Calvatia gigantea, Chrysothrix candelaris, Flavoparmelia caperata, Lecanora chlorotera, Opegrapha atra, Pertusaria amara f. amara, Physcia tenella, Polyporus squamosus, Usnea subfloridana, Xanthoria parietina.

Grasses

Coprinus plicatilis, Mucilago crustacea var. crustacea, Peltigera lactucifolia.

Heracleum sphondylium

Erysiphe heraclei.

Ilex aquifolium

Hypholoma fasciculare.

Larix decidua

Evernia prunastri, Hypholoma fasciculare, Lepraria incana, Mycena clavicularis, Mycena filipes.

Paxillus involutus

Hypomyces chrysospermus.

Pinus sylvestris

Trametes versicolor.

Populus alba

Evernia prunastri, Flavoparmelia caperata, Hypogymnia physodes, Lecanora expallens, Lecidella elaeochroma f. elaeochroma, Melanelia subaurifera, Parmelia sulcata, Physcia tenella, Punctelia subrudecta, Ramalina farinacea, Ramalina fastigiata, Xanthoria parietina.

Pteridium aquilinum

Amanita rubescens var. *rubescens*, *Clitocybe nebularis*, *Collybia butyracea* var. *butyracea*, *Collybia confluens*, *Collybia dryophila*, *Collybia peronata*, *Coprinus*, *Hebeloma sacchariolens*, *Hypholoma fasciculare*, *Laccaria amethystina*, *Lactarius*, *Lactarius tabidus*, *Microsphaera alphitoides*, *Mycena*, *Russula betularum*, *Russula nigricans*.

Quercus

Amanita pantherina, *Boletus*, *Boletus edulis*, *Collybia butyracea* var. *butyracea*, *Collybia peronata*, *Enterographa crassa*, *Flavoparmelia caperata*, *Ganoderma applanatum*, *Hypholoma fasciculare*, *Laccaria laccata*, *Lactarius camphoratus*, *Lactarius quietus*, *Lactarius tabidus*, *Lepiota cristata*, *Lepraria incana*, *Macrolepiota procera*, *Mycena*, *Mycena capillaris*, *Mycena galopus* var. *nigra*, *Paxillus involutus*, *Peniophora quercina*, *Peziza badia*, *Ramalina farinacea*, *Rickenella fibula*, *Russula nigricans*, *Russula ochroleuca*, *Schismatomma cretaceum*, *Schismatomma decolorans*, *Scutellinia scutellata*, *Trametes versicolor*, *Tremella mesenterica*, *Xerocomus chrysenteron*.

Ranunculus repens

Peronospora ficariae.

Rhododendron

Cladonia polydactyla var. *polydactyla*, *Dacrymyces stillatus*, *Entoloma conferendum*, *Hebeloma crustuliniforme*, *Hypholoma fasciculare*, *Lepraria incana*, *Mycena*, *Mycena filipes*, *Rickenella fibula*, *Stereum hirsutum*, *Stereum rugosum*, *Tremella mesenterica*.

***Rubus fruticosus* agg.**

Phragmidium violaceum.

Sambucus nigra

Hyphodontia sambuci, *Mycena pura* var. *pura*.

Sorbus aucuparia

Graphis scripta, *Pleurotus ostreatus*.

Ulex europaeus

Amanita rubescens var. *rubescens*, *Collybia butyracea* var. *butyracea*, *Hygrocybe laeta* var. *laeta*, *Lecanora expallens*, *Lepista flaccida*, *Lophiostoma angustilabrum*, *Mycena pura* var. *pura*, *Paxillus involutus*,

Appendix 5 - Newbridge House Demesne

Details of site visits

Day 1 5th September 2006

Surveyor: Maria Cullen

Stop 1 Lawn in front of house

Grid reference O215500

Stropharia semiglobata

Stop 2 Tree stump at side of house

Grid reference O216500

Trametes versicolor

Stop 3 *Fagus sylvatica* (Beech) large tree

Grid reference O217500

Girth c. 370 cm

Boletus porosporus

Lichens

Lecidella elaeochroma

Opegrapha atra

Schismatomma decolorans

Arthonia radiata

Lecanora chlarotera

Xanthoria parietina

Parmelia sulcata

Ramalina farinacea

Ramalina fastigiata

Stop 4 Lawn near Beech with Walnut nearby also

Grid reference O217499

Panaeolina foenisecii

Stop 5 Grass near Beech at stop 3

Grid reference O217499

Marasmius oreades in fairy ring

Stop 6 *Juglans regia* (Walnut)

Grid reference O217499

Tag #00, the rest of the tag is broken off

On twigs

Xanthoria parietina

Arthonia radiata

Physcia tenella

Ramalina canariensis

Lecidella elaeochroma

Lecanora chlarotera

Trunk

Xanthoria parietina

Physconia distorta

Lecanora chlarotera very dark
 Chrysothrix candelaris
 Diploicia canescens
 Physcia adscendens
 Lecidella elaeochroma
 Pertusaria albescens



Agaricus campestris in grass and clover on lawn outside Newbridge House

Stop 7 Grass near Beech and Ash with Sycamore stand

Grid reference O217499

Agaricus macrosporus

Agaricus campestris

Stop 8 *Fraxinus excelsior* (Ash) in stand

Grid reference O217499

Girth c. 220 cm

Lichens

Lecidella elaeochroma

Arthonia radiata

Lecanora chlarotera

Opegrapha atra

Xanthoria parietina

Physcia tenella

Lecidella elaeochroma var. *soralifera*

Green alga

Stop 9 *Fagus sylvatica* (Beech) stand with big Beech trees, possibly old Ash wood

Grid reference O217500

Ustilina deucta

Stop 10 Lawn

Grid reference O217500

Agaricus pilatianus

Agaricus campestris

Conocybe subovalis

Ash keys with black spots

Phoma samarum

Stop 11 Among Oak, Ash and Beech young planted copse
Grid reference O218500
Laccaria laccata

Stop 12 Under Oak, Ash and Sycamore
Grid reference O218500
Xerocomus chrysenteron



Xanthoria parietina (yellow), *Xanthoria polycarpa* (orange, fruiting) and *Physcia tenella* (grey) on twigs of Oak

Stop 13 Quercus (Oak), young tree
Grid reference O218500
Peniophora quercina
 Lichens
Xanthoria parietina with parasite *Xanthoriicola physciae*
Physcia tenella with parasite *Illosporopsis christiansenii*
Physcia adscendens
Melanelia subaurifera
Physcia aipolia
Xanthoria polycarpa
Ramalina farinacea
Ramalina fastigiata
Lecanora carpinea
Lecanora chlorotera
Opegrapha atra
Diploicia canescens
Lecidella elaeochroma

Stop 14 *Juglans regia* (Walnut) with Elder bush
Grid reference O218501
Calvatia gigantea nearby
 On tree
Flavoparmelia caperata

Stop 15 Taxus baccata (Yew) with Ivy, Holly and Beech
Grid reference O218501

White bracket
Ganoderma applanatum
Mycena speirea
Mycena acicula

On Holly leaves
Phacidium multivalve

Stop 16 Sambucus nigra (Elder), dying tree with Yew
Grid reference O218501
Auricularia auricula-judae



Grifola frondosa at base of Beech tree in woodland

Stop 17 Fagus sylvatica (Beech) with Ivy near Yew, Holly and Laurel
Grid reference O218501
Base of tree and out on ground nearby
Grifola frondosa

Stop 18 Fagus sylvatica (Beech) wood, bough on edge of track
Grid reference O219502
Xylaria hypoxolon

Stop 19 Fagus sylvatica (Beech) stump at wall edge of estate
Grid reference O220502
Ganoderma applanatum
Ustulina deusta
Indet. white myxomycete

Stop 20 Fagus sylvatica (Beech), dead bough under Yew tree
Grid reference O220501
Hypoxyton fragiforme
Peziza badia

Stop 21 Corylus avellana (Hazel) twig in wood near track and wall with road
Grid reference O221501
Hypoxyton fuscum

Stop 21b Yew nearby
Grid reference O221501
Lichen
Lepraria incana agg.

Stop 21c Beech, Ash and Sycamore
Grid reference O221501
Collybia confluens

Stop 22 *Acer pseudoplatanus* (Sycamore) leaves
Grid reference O221501
Rhytisma acerinum
Parmotrema perlatum on ground under Sycamore and Beech

Stop 23 *Prunus laurocerasi* (Laurel) and Beech, Ash and Sycamore
Grid reference O221501
Xerocomus chrysenteron with *Sepedonium chrysospermum*
Collybia confluens on bank with parkland

Stop 24 Conifers in parkland
Grid reference O222500
Boletus chrysenteron
Vascellum pratense (Large, with yellowing flesh)

Stop 25 *Larix decidua* (Larch)
Grid reference O222500
Lichens
Schismatomma decolorans
Diploicia canescens
Green alga

Stop 26 Long grass
Grid reference O222499
Agaricus arvensis

Stop 27 Short grass of paths through parkland field
Grid reference O220500
Panaeolina foenisecii

Stop 28 *Betula* (Birch), Oak, and *Acer* young stand of planted trees
Grid reference O219499
Paxillus involutus 4 merged together
Laccaria laccata

Stop 29 By blocked-up house with Elder bush. At entrance to outhouse
Grid reference O218498
Coprinus comatus

Stop 30 *Fagus sylvatica* (Beech) and Lilacs by end of house
Grid reference O218497
Lepiota cristata

Stop 30b Fagus sylvatica (Beech) and Lilacs
Grid reference O218497
 Lycoperdon pyriforme

Stop 31 On bank between large Sycamore and Ash on bank by road through grounds
 back to house
Grid reference O220497
 Coprinus micaceus

Stop 32 Grass back towards car park
Grid reference O215498
 Marasmius oreades, several rings
 Mixed in with grass in this area
 Agaricus campestris
 Panaeolina foenisecii (Brownies)
 Inocybe geophylla var. lilacina

Day 2 16th September 2006

Surveyors: Maria Cullen & Howard Fox



Inonotus hispidus, several brackets, on Ash tree

Stop 2.1 Fraxinus excelsior (Ash) in front of car park
Grid reference O213499
Girth approx. 3m
Inonotus hispidus RARE IN CO. DUBLIN
Ganoderma applanatum
Agaricus campestris in lawn near tree
 Lichens on tree
Diploicia canescens
Opegrapha atra
Arthonia pruinata
 18-spot ladybird

Stop 2.2 Fraxinus excelsior (Ash) near driveway

Grid reference O213498

Inonotus hispidus RARE IN CO. DUBLIN

Lichens

Xanthoria parietina

Diploicia canescens

Chrysothrix candelaris

Acrocordia gemmata

Arthonia pruinata

Stop 2.3 Aesculus hippocastanum (Horse Chestnut) by driveway

Grid reference O213498

Girth c. 2.5m

Lichens

Diploicia canescens

Pertusaria amara

Chrysothrix candelaris

Schismatomma decolorans

Parmelia sulcata

Flavoparmelia caperata

Melanelia subaurifera

Lecanora expallens

Xanthoria parietina

Hyperphyscia adglutinata

Phaeophyscia orbicularis

Punctelia subrudecta

Lecanora chlarotera

Physcia tenella

Stop 2.4 Salix viminalis (Willow, Osier) at edge of copse with pond

Grid reference O214498

Lichens

Xanthoria parietina with parasite Xanthoriicola physciae

Arthonia radiata

Parmelia sulcata

Ramalina fastigiata

Physcia aipolia

Lecidella elaeochroma

Melanelia subaurifera

Ramalina farinacea

Lecanora chlarotera

Flavoparmelia caperata

Physcia tenella

Lecanora carpinea

Lecidella elaeochroma var. soralifera

Opegrapha atra

Evernia prunastri

Punctelia subrudecta

Physconia distorta

Lecanora expallens

Stop 2.5 Rubus fruticosus agg. (Bramble)

Grid reference O214498

Phragmidium violaceum

Stop 2.6 Hedera helix (Ivy) understorey of wood and nettles

Grid reference O214498

Phacidium multivalve

Stop 2.7 Shaded glade with Elder and Yew in copse around pond

Grid reference O214498

Hyphodontia sambuci on both



Daldinia concentrica (King Alfred's Cakes) on fallen Ash in wood

Stop 2.8 Fraxinus excelsior (Ash), fallen, in same copse, near swampy pond

Grid reference O215498

Daldinia concentrica

Stop 2.9 Taxus baccata (Yew), Ivy near Pond

Grid reference O215498

Boletus chrysenteron

Castanea sativa nearby with

Ivy, Lonicera, Rubus



Auricularia mesenterica on dead Ash with woodworm and dead Ivy also

Stop 2.10 Fraxinus excelsior (Ash)

Grid reference O214498

Auricularia mesenterica

On Yew

Grid reference O214498

Hyphodontia sambuci

Stop 2.11 Acer pseudoplatanus (Sycamore)

Grid reference O214498

Rhytisma acerinum on leaves

On Ash

Grid reference O214498

Inonotus hispidus RARE IN CO. DUBLIN

Auricularia auricula-judae

Stop 2.12 Aesculus hippocastanum (Horse Chestnut) with Ivy

Grid reference O214498

Hebeloma sp.

Inocybe fastigiata

Stop 2.13 Pond with good lichens

Grid reference O214498

Nearby

Auricula mesenterica



Geastrum rufescens on soil under mixed wood

Stop 2.14 Near pond with large conifer and deciduous trees (fox scent and digging evident here)

Grid reference O214498

Agaricus arvensis

Geastrum rufescens

Agaricus sylvestris

Agaricus campestris

Stop 2.15 Lawn outside copse and pond

Grid reference O215498

Hygrocybe laeta (orange yellow slimy stem and cap)

Hygrocybe vitellina

Stop 2.16 Fraxinus excelsior (Ash) at edge of copse with lawn back to house
Grid reference O215498
Inonotus hispidus RARE IN CO. DUBLIN

Stop 2.17 Young mixed broadleaf plantation
Grid reference O216498
No fungi at this time

Stop 2.18 Linaria (Toadflax) in garden behind house by wall
Grid reference O216501
Laycesteria formosa (Pheasant berry)

Stop 2.19 Stump of tree (same as stop 2 day 1)
Grid reference O217500
Trametes versicolor

Stop 2.20 Crataegus monogyna (Hawthorn) bush near ruined house
Grid reference O218498
Coprinus comatus
Psathyrella
Bolbitius vitellinus

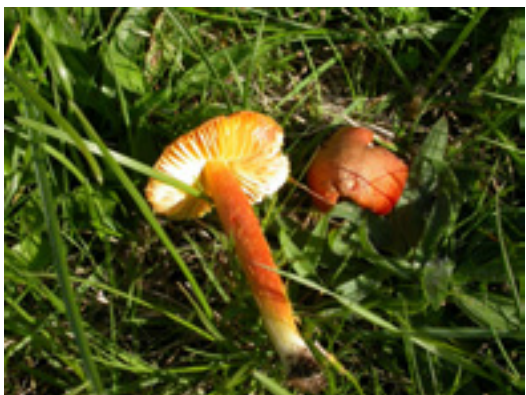
Stop 2.21 Fagus sylvatica (Beech) by ruined house
Grid reference O218498
Inocybe geophylla var lilacina

Stop 2.22 Crataegus monogyna (Hawthorn) and Quercus ilex (Holm Oak)
Grid reference O218497
Scleroderma verrucosum
Coprinus micaceus
Inocybe (red in stem juices) otherwise pale with white gills

Stop 2.23 Fagus sylvatica (Beech) opposite path across from ruined house, 1 down and 1
stump good for Russulas in grass not far from house
Grid reference O218496
Ganoderma applanatum
Russula xerampelina
Russula chlaroflava
Coprinus comatus
Boletus luridus



Hygrocybe psittacina (Parrot wax cap) in grass



Hygrocybe intermedia among grasses in lawn

Stop 2.24 Nearby grass
Grid reference O218496
Hygrocybe psittacina
Hygrocybe intermedia
 Hygrocybe chunky yellow with orange gills



Rhytisma acerinum (Tar spot fungus) on leaves of Sycamore

Stop 2.25 Fagus sylvatica (Beech) and Elm in copse
Grid reference O217496
Tricholomopsis platyphylla (stem white)
Coprinus comatus
Auricularia auricula-judae on Beech
Hypholoma sublateritium on Beech

Hypoxylon on beech
 Pluteus cervinus on Beech
 On Sycamore leaves
 Rhytisma acerinum

Marasmius oreades in long grass approx 300m in front of house

Stop 2.26 Betula (Birch) Plantation with Maple
Grid reference O216496
 Paxillus involutus - lots

Stop 2.27 In long grass by copses
Grid reference O216496
 Entoloma sp.

Stop 2.28 Copse of Birch, Acer soil tossed and burrows
Grid reference O216496
 Nectria cinnabarina on stick on ground
 Ascodichaena rugosa on young Oak

Stop 2.29 In grass near old bridge pond
Grid reference O216495
 Panaeolina foeniseccii
 Stropharia
 Agaricus campestris

Stop 2.30 Past bridge in grass to south
Grid reference O216495
 Marasmius oreades

Stop 2.31 Euonymus europaeus (Spindle), Oak, Beech and Horse Chestnut
Grid reference O214494
 Paxillus involutus
 Microsphaera alphitoides on one leaf

Stop 2.32 Cottontail rabbit into woodland here
Grid reference O214492
 Hygrocybe ?glutinipes near the spot where young rabbit was feeding
 Microsphaera euonymi on Euonymus europaeus (Spindle) NEW TO DUBLIN
 Clavulina vermicularis
 Hygrocybe psittacina
 Entoloma sp. on warm spot
 Paxillus involutus with beech in southern boundary wood plantation
 In grass
 Panaeolina foeniseccii

Stop 2.33 In grass
Grid reference O212495
 Marasmius oreades

Stop 2.34 Aesculus hippocastanum (Horse chestnut), young but dying at edge of a mainly Fraxinus excelsior (Ash) plantation

Grid reference O212496

Girth approx. 45 cm

Lichens

Melanelia subaurifera

Opegrapha atra

Xanthoria parietina

Physcia tenella with Illosporopsis christiansenii

Ramalina farinacea

Lecidella elaeochroma

Flavoparmelia caperata

Lecanora chlorotera with parasite Vouauxiella lichenicola

Diploicia canescens

Lecanora expallens

Ramalina fastigiata

Parmelia sulcata

Parmelia saxatilis

Hypotrachyna revoluta

Punctelia subrudecta

Physcia semipinnata

Stop 2.35 In grass near bridge

Grid reference O214496

Marasmius oreades

Galerina sp.

Stop 2.36 In grass

Grid reference O216496

Agaricus campestris

Stop 2.37 Rubus fruticosus agg. (Bramble) in plantation

Grid reference O216496

Microsphaera alphitoides on Oak leaf

Stop 2.38 Acer pseudoplatanus (Sycamore) near bridge at Kilcrea Gate

Grid reference O220494

Ramalina fastigiata

Xanthoria parietina

Physcia tenella

Rhytisma acerinum on Sycamore leaves

Stop 2.39 Rim of Rubus, Nettles etc. blocking access to wood next to wet area near Kilcrea Gate

Grid reference O220495

No fungi

Stop 2.40 Rubus fruticosus agg. (Bramble) and blackthorn also to north of Gate

Grid reference O220495

On Rubus leaves

Phragmidium violaceum



Ivy infested Beechwood

Stop 2.41 Fagus sylvatica (Beech) wood, near wet ditch, with much ivy on trees and ground. Accessed through young plantation

Grid reference O221496

Collybia confluens

Auricularia auricula-judae



Gall on rose bush by path

Stop 2.42 Rosa

Grid reference O219496

Gall

Diplolepis rosae

Stop 43 Alnus glutinosa at edge of copse

Grid reference O219496

On Alder cone

Taphrinaalni

Day 3 24th September 2006

Surveyor: Maria Cullen

Stop 3.1 Down side entrance to estate by closed gate at end of lane past playground

Grid reference O209502

Laccaria laccata near rubbish on flattened ground

Collybia sp. on wood

Twig

Lichens

Xanthoria parietina

Ramalina calicaris

Diploicia canescens on fallen twig

?Buried Fox

Stop 3.2 *Fagus sylvatica* (Beech) log

Grid reference O209502

Postia caesia

Stop 3.2b Twigs and leaf litter

Mycena sp. (white)

Clavulina cristata

Hymenoscyphus fagineus on Beech nuts

Stop 3.3 *Fagus sylvatica* (Beech) and Oak nearby

Grid reference O209501

Russula fragilis

Lactarius tabidus

Cortinariaceae x 2



Clavulina cinerea on dead wood

Stop 3.4 Soil bank

Grid reference O209501

Clavulina cinerea

Cortinarius sp.

Cortinarius sp.

Stop 3.5 Quercus (Oak) dominated wood**Grid reference** O209501

Cortinarius sp.

Clavulina cinerea

Clavulina cristata

Mycena polygramma

Mycena galericulata

Russula betularum

Leptonia serrulata

Russula emetica

Rutstroemia luteovirens

Marasmiellus vaillantii

Lichens

Ramalina fastigiata on ground

Evernia prunastri on ground

Lichens on Oak

Enterographa crassa

Lepraria incana agg.

Chrysothrix candelaris – tiny amount

Stop 3.6 Twig, woodland of Birch, Beech, Oak, Ash, Hawthorn**Grid reference** O209501

Crepidotus mollis

Inocybe fastigiata

Russula mairei

Hymenoscyphus fagineus on beech nut

Laccaria laccata

Inocybe geophylla var. lilacina

Stop 3.7 Fagus sylvatica (Beech)**Grid reference** O209501

Lactarius piperatus

Stop 3.8 Quercus (Oak)**Grid reference** O209501

Cortinarius sp. long stem

Stop 3.9 Taxus baccata (Yew), Hawthorn, Oak, Ivy**Grid reference** O209500

Inocybe geophylla

Inocybe sp. dark brown

Cortinarius sp. brown

Clavulina cristata

Laccaria laccata

Stop 3.10 Quercus (Oak), Ash, Hawthorn ridges in wood near wall and road**Grid reference** O209500

Mycena sp.

Cortinarius sp. brown

Trametes versicolor

Russula luteotacta

Lactarius sp.
Laccaria laccata
Russula delica

Stop 3.11 Quercus (Oak) under tree by drain with road
Grid reference O209500

Lactarius piperatus
Inocybe ?godeyi
Peniophora quercina

Stop 3.12 Fallen tree beside Oak
Grid reference O209500
Peziza badia

Stop 3.13 By stream by bridge under road in wood
Grid reference O209500

Russula betularum
Lactarius aurantiacus
Mycena filopes
Cortinarius paleaceus
Lichens
Flavoparmelia caperata
Parmotrema perlatum
Parmelia sulcata on twig
Evernia prunastri on ground
Collybia

Stop 3.14 Fallen tree
Grid reference O209500
Armillaria mellea straps
Russula sp.
Cortinarius sp.

Stop 3.15 Riverside with Ash, Beech and Hazel
Grid reference O209500
Lactarius piperatus

Stop 3.16 By river and large Oak
Grid reference O209500
Xylaria polymorpha on log on the ground
Daldinia concentrica (King Alfred's Cakes) on Ash

Stop 3.17 Acer pseudoplatanus (Sycamore), Beech, Oak
Grid reference O210499
Lactarius tabidus
Lactarius piperatus
Mycena sp.
Rhytisma acerinum on Sycamore leaves
Inocybe fastigiata
Thelophora palmata
Russula lutea



Stop 3.18 Log on ground
Grid reference O210499
Tubifera ferruginosa

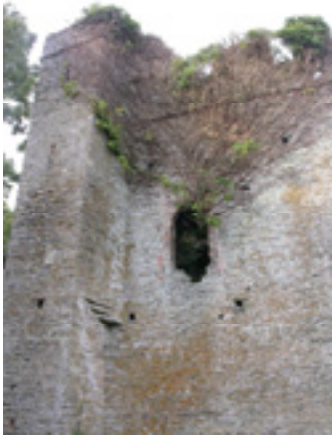
Stop 3.19 *Fraxinus excelsior* (Ash) fallen tree in wood
Grid reference O210499
Daldinia concentrica (King Alfred's Cakes)
Mycena clavularis

Stop 3.20 *Corylus avellana* (Hazel) and Beech at drain opposite field with fencing
Grid reference O210499
Lactarius aurantiacus
Clavulinopsis fusiformis
Inocybe geophylla var. *lilacina*

Stop 3.21 *Salix* (Willow) fallen tree
Grid reference O210500
Polyporus badius
Inocybe geophylla var. *lilacina*
Russula delica Yew, Ash, Holly and Ivy exit wood opposite playing fields

Stop 3.22 Layer of plastic netting under grass of field near playground
Grid reference O212500
Panaeolina foenisecii

Stop 3.23 *Fagus sylvatica* (Beech) young tree with Oak, Ash and Horse Chestnut in a stand near Lanestown Castle
Grid reference O210497
Laccaria laccata in grass



Lanestown Castle

Stop 3.24 On Castle

Grid reference O210496

Lichens

Caloplaca citrina

Lecanora albescens

Lecanora dispersa near door

Diploicia canescens on red sandstone block, with holes in, in corner of castle at approx. 1.4 m high

Stop 3.25 Wood behind castle

Grid reference O209496

Coprinus lagopus

Armillaria mellea on Ivy on Ash

Stop 3.26 *Fraxinus excelsior* (Ash), Sycamore, Beech wood behind castle. Mossy with nettles, ivy elsewhere

Grid reference O209496

Coprinus

Trametes versicolor

Xylaria polymorpha

Stop 3.27 *Sambucus nigra* (Elder) with lots of Ivy

Grid reference O209496

Auricularia auricula-judae

Hyphodontia sambuci

Rhytisma acerinum on leaves of Sycamore

Stop 3.28 *Quercus* (Oak) of avenue

Grid reference O210496

Laccaria laccata

Microsphaera alphitoides (Oak leaf mildew) opposite pair of *Acer* near Castle and entrance avenue

Stop 3.29 Grass of avenue

Grid reference O210496

Stop 3.30 Lawn and avenue on house side of bridge

Grid reference O213498

Panaeolus ater

Stop 3.31 (Quercus), unusual Oak on avenue with spiny acorns and pale undersides to leaves

Grid reference O213498

Laccaria laccata

Stop 3.32 Grass by conifer to side of house where a branch fell down in wind night before

Grid reference O217500

Russula sp. in grass

Panaeolina foenisecii

Newbridge House Demesne Mycorec Database Report

Taxonomic Index

Mycena galericulata var. *galericulata*

as *Mycena galericulata*, 16793, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

Anamorphic fungi

coelomycetous anamorph

Phoma samararum

16580, *Fraxinus excelsior*, Ash keys, lawn, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 10.

Vouauxiella lichenicola

16754, *Lecanora chlorotera*, *Aesculus hippocastanum*, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

hyphomycetous anamorph

Hobsonia christiansenii

16749, *Physcia tenella*, *Aesculus hippocastanum*, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16587, *Physcia tenella*, *Quercus*, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

Lepraria incana

as *Lepraria incana* agg., 16801, *Quercus*, trunk, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

as *Lepraria incana* agg., 16614, *Taxus baccata*, bark, woodland, Site: Newbridge House, O220502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 21b. Near track and wall with road.

Xanthorhiza physciae

16585, *Xanthoria parietina*, *Quercus*, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16666, *Xanthoria parietina*, *Salix viminalis*, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Ascomycota

Ascomycetes

Arthoniales

Arthoniaceae

Arthonia pruinata

16642, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213499, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.1. Girth approx. 3m. Near car park.

16648, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.2. Near driveway.

Arthonia radiata

16544, *Fagus sylvatica*, twigs, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.

16569, *Fraxinus excelsior*, bark, trunk, stand of trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 8. Girth c. 220 cm.

16553, *Juglans regia*, twigs, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

16667, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Chrysothricaceae

Chrysothrix candelaris

16651, *Aesculus hippocastanum*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16646, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.2. Near driveway.

16561, *Juglans regia*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

16802, *Quercus*, trunk, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

Roccellaceae

Enterographa crassa

16800, *Quercus*, trunk, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

Opegrapha atra

16746, *Aesculus hippocastanum*, twigs, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16542, *Fagus sylvatica*, bark, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.

16641, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.1. Girth approx. 3m. Near car park.

16571, *Fraxinus excelsior*, bark, trunk, stand of trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 8. Girth c. 220 cm.

16596, *Quercus*, twigs, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16679, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Schismatomma decolorans

16652, *Aesculus hippocastanum*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16543, *Fagus sylvatica*, bark, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.

16622, *Larix decidua*, bark, parkland & scattered trees, Site: Newbridge House, O222500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 25.

Erysiphales

Erysiphaceae

Microsphaera alphitoides

16766, *Quercus*, leaf, woodland, Site: Newbridge House, O216496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.37. *Rubus fruticosus* agg. high.

16873, *Quercus*, leaf, avenue, Site: Newbridge House, O210496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.28. Opposite Acer near Castle.

Microsphaera euonymi

16738, *Euonymus europaeus*, leaves, woodland edge, Site: Newbridge House, O214492, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.32. Oak, Beech and Horse Chestnut also. Young rabbit feeding here.

16736, *Euonymus europaeus*, soil, woodland, Site: Newbridge House, O214494, Dublin, Col.: Howard Fox, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.31. Oak, Beech and Horse Chestnut also.

Helotiales

Helotiaceae

Hymenoscyphus fagineus

16783, *Fagus sylvatica*, Beech nuts, woodland, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.2. Near path and rubbish on flattened ground by gate.

16806, *Fagus sylvatica*, beech nut, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.6. Beech, Oak, Ash, Hawthorn also.

Phaciaceae

Phacidium multivalve

16605, *Ilex aquifolium*, leaves, woodland edge, Site: Newbridge House, O218501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 15. Ivy, Holly and Beech also.

Hypocreales

Nectriaceae

Nectria cinnabarina

16729, *Betula*, stick, copse, Site: Newbridge House, O216496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.28. Stick on the ground. Soil tossed and burrows. Acer here.

Lecanorales

Candelariaceae

Candelariella vitellina f. vitellina

as *Candelariella vitellina*, 16863, red sandstone block, castle, Site: Newbridge House, O210496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.24. Lanestown Castle. Corner about 1.4m above ground.

Lecanoraceae

Lecanora carpinea

16594, *Quercus*, twigs, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16677, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Lecanora chlarotera

16753, *Aesculus hippocastanum*, twigs, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16663, *Aesculus hippocastanum*, twigs, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16545, *Fagus sylvatica*, twigs, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.

16570, *Fraxinus excelsior*, bark, trunk, stand of trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 8. Girth c. 220 cm.

16557, *Juglans regia*, twigs, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

16560, *Juglans regia*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

16595, *Quercus*, twigs, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16674, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Lecanora dispersa f. dispersa

as *Lecanora dispersa*, 16861, limestone, castle, Site: Newbridge House, O210496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.24. Lanestown Castle. Near door.

Lecanora expallens

16756, *Aesculus hippocastanum*, bark, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16656, *Aesculus hippocastanum*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16683, *Salix viminalis*, bough, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Lecidella elaeochroma f. elaeochroma

as *Lecidella elaeochroma*, 16751, *Aesculus hippocastanum*, twigs, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

as *Lecidella elaeochroma*, 16541, *Fagus sylvatica*, bark, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.

as *Lecidella elaeochroma*, 16568, *Fraxinus excelsior*, bark, trunk, stand of trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 8. Girth c. 220 cm.

as *Lecidella elaeochroma*, 16564, *Juglans regia*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

as *Lecidella elaeochroma*, 16556, *Juglans regia*, twigs, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

as *Lecidella elaeochroma*, 16598, *Quercus*, bark, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

as *Lecidella elaeochroma*, 16671, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Lecidella elaeochroma f. soralifera

16574, twigs, stand of trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 8. Girth c. 220 cm.

16678, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Parmeliaceae

Evernia prunastri

16829, twig, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.13. On ground.

16799, *Quercus*, twig, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5. Twig on ground.

16680, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Flavoparmelia caperata

16832, twig, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.13.

16752, *Aesculus hippocastanum*, twigs, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16654, *Aesculus hippocastanum*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16601, *Juglans regia*, bark, woodland edge, Site: Newbridge House, O218501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 14.

16675, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Hypotrachyna revoluta

16760, *Aesculus hippocastanum*, bark, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

Melanelia subaurifera

16655, *Aesculus hippocastanum*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16745, *Aesculus hippocastanum*, twigs, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16589, *Quercus*, twigs, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16672, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Parmelia saxatilis

16759, *Aesculus hippocastanum*, bark, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

Parmelia sulcata

16834, twig, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.13.

16758, *Aesculus hippocastanum*, bark, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16653, *Aesculus hippocastanum*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16547, *Fagus sylvatica*, twigs, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.

16668, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Parmotrema chinense

as *Parmotrema perlatus*, 16833, twig, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.13.

as *Parmotrema perlatus*, 16617, *Acer pseudoplatanus*, twig, woodland, Site: Newbridge House, O221501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 22. On ground. Beech also.

Punctelia subrudecta

16662, *Aesculus hippocastanum*, twigs, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16761, *Aesculus hippocastanum*, bark, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16681, *Salix viminalis*, bough, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Physciaceae***Diploicia canescens***

16862, red sandstone block, castle, Site: Newbridge House, O210496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.24. Lanestown Castle. Corner about 1.4m above ground.

16649, *Aesculus hippocastanum*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16755, *Aesculus hippocastanum*, bark, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16780, *Fagus sylvatica*, twigs, woodland, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.1. Twig on ground. Near path and rubbish on flattened ground by gate.

16640, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.1. Girth approx. 3m. Near car park.

16645, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.2. Near driveway.

16562, *Juglans regia*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

16623, *Larix decidua*, bark, parkland & scattered trees, Site: Newbridge House, O222500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 25.

16597, *Quercus*, bark, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

Hyperphyscia adglutinata

16660, *Aesculus hippocastanum*, twigs, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16658, *Aesculus hippocastanum*, twigs, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

Phaeophyscia orbicularis

16659, *Aesculus hippocastanum*, twigs, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16661, *Aesculus hippocastanum*, twigs, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

Physcia adscendens

16563, *Juglans regia*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

16588, *Physcia tenella*, *Quercus*, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

Physcia aipolia

16590, *Quercus*, twigs, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16670, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Physcia leptalea

as *Physcia semipinnata*, 16762, *Aesculus hippocastanum*, bark, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

Physcia tenella

16573, twigs, stand of trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 8. Girth c. 220 cm.

16769, *Acer pseudoplatanus*, twigs, woodland, Site: Newbridge House, O220494, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.38. Near bridge at Kilcrea Gate.

16748, *Aesculus hippocastanum*, twigs, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16664, *Aesculus hippocastanum*, twigs, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

16554, *Juglans regia*, twigs, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

16586, *Quercus*, twigs, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16676, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Physconia distorta

16559, *Juglans regia*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

16682, *Salix viminalis*, bough, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Ramalinaceae***Ramalina calicaris***

16779, *Fagus sylvatica*, twigs, woodland, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.1. Near path and rubbish on flattened ground by gate.

Ramalina canariensis

16555, *Juglans regia*, twigs, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

Ramalina farinacea

16750, *Aesculus hippocastanum*, twigs, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16548, *Fagus sylvatica*, twigs, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.

16592, *Quercus*, twigs, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16673, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Ramalina fastigiata

16767, *Acer pseudoplatanus*, twigs, woodland, Site: Newbridge House, O220494, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.38. Near bridge at Kilcrea Gate.

16757, *Aesculus hippocastanum*, bark, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.

16549, *Fagus sylvatica*, twigs, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.

16798, *Quercus*, twig, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5. Twig on ground.

16593, *Quercus*, twigs, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16669, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Pertusariales**Pertusariaceae*****Pertusaria albescens* var. *albescens***

as *Pertusaria albescens*, 16565, *Juglans regia*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.

Pertusaria amara* f. *amara

as *Pertusaria amara*, 16650, *Aesculus hippocastanum*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.

Pezizales**Helvellaceae*****Helvella acetabulum***

as *Paxina acetabulum*, 16612, Doubtful record, *Fagus sylvatica*, dead bough, woodland, Site: Newbridge House, O220502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 20. Under Yew tree.

Pezizaceae***Peziza petersii***

16826, Doubtful record, *Quercus*, wood, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.12.

Pyrenulales**Monoblastiaceae*****Acrocordia gemmata***

16647, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.2. Near driveway.

Rhytismatales**Ascodichaenaceae*****Ascodichaena rugosa***

16730, *Oak*, wood, copse, Site: Newbridge House, O216496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.28. Soil tossed and burrows here.

Rhytismataceae***Rhytisma acerinum***

16845, *Acer pseudoplatanus*, leaves, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.17. By river. Oak also.

16871, *Acer pseudoplatanus*, leaves, woodland, Site: Newbridge House, O209496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.27. Lots of Ivy also. Behind Castle..

16616, *Acer pseudoplatanus*, leaves, woodland, Site: Newbridge House, O221501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 22.

16725, *Acer pseudoplatanus*, leaf, copse, Site: Newbridge House, O217496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.25. Elm also.

16770, *Acer pseudoplatanus*, leaves, woodland, Site: Newbridge House, O220494, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.38. Near bridge at Kilcrea Gate.

16690, *Acer pseudoplatanus*, leaves, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.11.

Teloschistales**Teloschistaceae*****Caloplaca citrina***

16860, limestone, castle, Site: Newbridge House, O210496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.24. Lanestown Castle.

Xanthoria parietina

16572, twigs, stand of trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 8. Girth c. 220 cm.

- 16768, *Acer pseudoplatanus*, twigs, woodland, Site: Newbridge House, O220494, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.38. Near bridge at Kilcrea Gate.
- 16657, *Aesculus hippocastanum*, twigs, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.3. Girth c. 2.5m. Near driveway.
- 16747, *Aesculus hippocastanum*, twigs, copse edge, Site: Newbridge House, O212496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.34. Young tree, dying. Mainly Ash plantation. Girth 45cm.
- 16546, *Fagus sylvatica*, twigs, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.
- 16778, *Fagus sylvatica*, twigs, woodland, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.1. Near path and rubbish on flattened ground by gate.
- 16644, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.2. Near driveway.
- 16558, *Juglans regia*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.
- 16552, *Juglans regia*, twigs, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 6. Tag #00 rest of tag broken off.
- 16584, *Oak*, soil, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.
- 16665, *Salix viminalis*, twigs, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.4. Near pond.

Xanthoria polycarpa

- 16591, *Quercus*, twigs, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

Xylariales**Xylariaceae*****Daldinia concentrica***

- 16686, *Fraxinus excelsior*, bark, woodland, Site: Newbridge House, O215498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.8. Fallen tree.
- 16849, *Fraxinus excelsior*, bark, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.19.
- 16841, *Fraxinus excelsior*, bark, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.16. By river.

Hypoxylon

- 16723, *Fagus sylvatica*, wood, copse, Site: Newbridge House, O217496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.25. Elm also.

Hypoxylon fragiforme

- 16611, *Fagus sylvatica*, dead bough, woodland, Site: Newbridge House, O220502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 20. Under Yew tree.

Hypoxylon fuscum

- 16613, *Fagus sylvatica*, twig, woodland, Site: Newbridge House, O220502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 21. Near track and wall with road.

Kretzschmaria deusta

- as *Ustulina deusta*, 16610, *Fagus sylvatica*, stump, woodland, Site: Newbridge House, O220502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 19. Near wall at edge of estate.
- as *Ustulina deusta*, 16575, *Fagus sylvatica*, wood, stand of trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 9.

Xylaria hypoxylon

- 16608, *Fagus sylvatica*, fallen bough, woodland, Site: Newbridge House, O219502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 18.

Xylaria polymorpha

- 16868, *Acer pseudoplatanus*, wood, woodland, Site: Newbridge House, O209496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.26. Ash and Beech, mossy with Nettles and Ivy also. Behind Castle.
- 16840, *Quercus*, log, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.16.

Taphrinomycetes**Taphrinales****Taphrinaceae*****Taphrina amentorum***

- as *Taphrina alni*, 16775, *Alnus glutinosa*, fruit, woodland edge, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.43.
- as *Taphrina alni*, 16774, *Alnus glutinosa*, fruit, woodland edge, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.43.

Basidiomycota**Basidiomycetes****Agaricales****Agaricaceae*****Agaricus albertii***

- as *Agaricus macrosporus*, 16566, *Grasses*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 7. Near Beech, Ash and Sycamore stand.

Agaricus arvensis

- 16696, soil, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.14. Mixed wood. Soil disturbed by burrowing animals.
- 16624, *Grasses*, soil, parkland & scattered trees, Site: Newbridge House, O222499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 26.

Agaricus campestris

- 16699, soil, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.14. Mixed wood. Soil disturbed by burrowing animals.
- 16639, *Fraxinus excelsior*, soil, parkland & scattered trees, Site: Newbridge House, O213499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.1. Girth approx. 3m. Near car park.
- 16733, *Grasses*, soil, lawn, Site: Newbridge House, O216495, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.29. Near old bridge pond.
- 16765, *Grasses*, soil, lawn, Site: Newbridge House, O216496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.36.
- 16577, *Grasses*, soil, lawn, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 10.
- 16567, *Grasses*, bark, trunk, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 7. Near Beech, Ash and Sycamore stand.
- 16634, *Grasses*, soil, grass roots, parkland & scattered trees, Site: Newbridge House, O215498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 32.

Agaricus litoralis

- 16578, Doubtful record, *Grasses*, soil, lawn, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 10.

Agaricus pilatianus

- 16576, *Grasses*, soil, lawn, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 10.

Agaricus silvaticus

- 16698, Doubtful record, soil, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.14. Mixed wood. Soil disturbed by burrowing animals.

Lepiota cristata

- 16630, *Fagus sylvatica*, soil, parkland & scattered trees, Site: Newbridge House, O218497, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 30. Lilacs also at end of house.

Bolbitiaceae***Bolbitius vitellinus***

- 16706, *Crataegus monogyna*, soil, parkland & scattered trees, Site: Newbridge House, O218498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.20. Near derelict house.

Conocybe percinata

- 16599, Doubtful record, *Quercus*, soil, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: ar.

Conocybe subovalis

- 16579, *Grasses*, soil, lawn, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 10.

Hebeloma

- 16693, *Aesculus hippocastanum*, soil, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.12. Ivy also.

Panaeolina foenisecii

- 16625, *Betula*, soil, parkland & scattered trees, Site: Newbridge House, O220500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 27. Short grass.
- 16550, *Fagus sylvatica*, twigs, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 4. Near Beech and Walnut.
- 16858, *Grasses*, soil, playing field, Site: Newbridge House, O212500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.22. Plastic netting under grass of field.
- 16877, *Grasses*, soil, garden, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.32. Branch fell down night before.
- 16731, *Grasses*, soil, lawn, Site: Newbridge House, O216495, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.29. Near old bridge pond.
- 16635, *Grasses*, soil, grass roots, parkland & scattered trees, Site: Newbridge House, O215498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 32.
- 16743, *Grasses*, soil, lawn, Site: Newbridge House, O214492, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.32.

Panaeolus fimicola

- as *Panaeolus ater*, 16874, *Grasses*, soil, avenue, Site: Newbridge House, O210496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.30. House side of avenue bridge.

Clavariaceae***Clavaria fragilis***

- as *Clavaria vermicularis*, 16739, *Grasses*, soil, woodland edge, Site: Newbridge House, O214492, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.32. Oak, Beech and Horse Chestnut also. Young rabbit feeding here.

Clavulinopsis fusiformis

- 16852, *Corylus avellana*, soil, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.20. Beech also.

Coprinaceae***Coprinus***

- 16866, *Acer pseudoplatanus*, soil, woodland, Site: Newbridge House, O209496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.26. Ash and Beech, mossy with Nettles and Ivy also. Behind Castle.

Coprinus comatus

- 16704, *Crataegus monogyna*, soil, parkland & scattered trees, Site: Newbridge House, O218498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.20. Near derelict house.
- 16714, *Fagus sylvatica*, soil, parkland & scattered trees, Site: Newbridge House, O218496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.23.
- 16720, *Fagus sylvatica*, soil, copse, Site: Newbridge House, O217496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.25. Elm also.

16628, *Sambucus nigra*, soil, parkland & scattered trees, Site: Newbridge House, O218498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 29. By derelict house.

Coprinus lagopus

16864, soil, woodland, Site: Newbridge House, O209496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.25. Behind Castle.

Coprinus micaceus

16632, *Acer pseudoplatanus*, soil bank, parkland & scattered trees, Site: Newbridge House, O220497, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 31. Ash also.

16709, *Crataegus monogyna*, soil, parkland & scattered trees, Site: Newbridge House, O218498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.22. Near derelict house with Holm Oak.

Psathyrella

16705, *Crataegus monogyna*, soil, parkland & scattered trees, Site: Newbridge House, O218498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.20. Near derelict house.

Cortinariaceae

Cortinarius

16838, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.14.

16787, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.4. Soil bank.

16788, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.4. Soil bank.

16824, *Quercus*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.11. By drain with road.

16818, *Quercus*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.10. Ash and Hawthorn also. Ridges in wood near wall and road.

16810, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.8. Beech, Oak, Ash, Hawthorn also.

16789, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5. Grey, felty cap.

16813, *Taxus baccata*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.9. Ivy, Oak and Hawthorn also.

16812, *Taxus baccata*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.9. Ivy, Oak and Hawthorn also.

Cortinarius paleaceus

16831, Doubtful record, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.13.

Crepidotus mollis

16803, *Betula*, trunk, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.6. Beech, Oak, Ash, Hawthorn also.

Galerina

16764, *Grasses*, soil, lawn, Site: Newbridge House, O214496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.35.

Inocybe

16694, *Aesculus hippocastanum*, soil, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.12. Ivy also.

16710, *Crataegus monogyna*, soil, parkland & scattered trees, Site: Newbridge House, O218498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.22. Near derelict house with Holm Oak.

Inocybe geophylla* var. *geophylla

as *Inocybe geophylla*, 16811, *Taxus baccata*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.9. Ivy, Oak and Hawthorn also.

Inocybe geophylla* var. *ilacina

16853, *Corylus avellana*, soil, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.20. Beech also.

16707, *Crataegus monogyna*, soil, parkland & scattered trees, Site: Newbridge House, O218498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.21. Near derelict house with Beech.

16808, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.6. Beech, Oak, Ash, Hawthorn also.

16855, *Fagus sylvatica*, wood, woodland, Site: Newbridge House, O210500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.21. Ash, Holly and Ivy.

16636, *Grasses*, soil, grass roots, parkland & scattered trees, Site: Newbridge House, O215498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 32.

Inocybe rimosa* var. *rimosa

as *Inocybe fastigiata*, 16846, *Acer pseudoplatanus*, leaves, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.17. By river. Oak also.

as *Inocybe fastigiata*, 16804, *Betula*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.6. Beech, Oak, Ash, Hawthorn also.

as *Inocybe fastigiata*, 16719, *Fagus sylvatica*, soil, copse, Site: Newbridge House, O217496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.25.

Entolomataceae

Entoloma

16741, *Grasses*, soil, woodland edge, Site: Newbridge House, O214492, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.32. Oak, Beech and Horse Chestnut also. Young rabbit feeding here. Warmer spot.

16728, *Grasses*, soil, woodland, Site: Newbridge House, O216496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.27.

Entoloma serrulatum

as *Leptonia serrulata*, 16795, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

Hydnangiaceae***Laccaria laccata***

16627, *Betula*, soil, stand of trees, Site: Newbridge House, O219499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 28. Young trees.

16807, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.6. Beech, Oak, Ash, Hawthorn also.

16776, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.1. Rubbish, flattened ground near gate.

16859, *Fagus sylvatica*, soil, playing field, Site: Newbridge House, O212500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.23. Oak, Ash and Horse Chestnut also, near Lanestown Castle.

16581, *Oak*, soil, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 11.

16821, *Quercus*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.10. Ash and Hawthorn also. Ridges in wood near wall and road.

16875, *Quercus*, soil, avenue, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.31. House side of avenue bridge.

16872, *Quercus*, soil, avenue, Site: Newbridge House, O210496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.28.

16815, *Taxus baccata*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.9. Ivy, Oak and Hawthorn also.

Lycoperdaceae***Calvatia gigantea***

16600, *Grasses*, soil, lawn, Site: Newbridge House, O218501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 14. Near Walnut and Elder.

Lycoperdon pyriforme

16631, *Fagus sylvatica*, soil, parkland & scattered trees, Site: Newbridge House, O218497, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 30b. Lilacs also at end of house.

Vascellum pratense

16621, Doubtful record, *Coniferae*, soil, parkland & scattered trees, Site: Newbridge House, O222500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 24 yellowed flesh, overmature.

Marasmiaceae***Armillaria mellea***

16836, fallen tree, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.14.

16865, *Hedera helix*, *Fraxinus excelsior*, woodland, Site: Newbridge House, O209496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.25. Behind Castle.

Marasmiellus vaillantii

as *Marasmius calopus*, 16797, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

Marasmius oreades

16633, *Grasses*, soil, grass roots, parkland & scattered trees, Site: Newbridge House, O215498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 32.

16726, *Grasses*, soil, grass roots, lawn, Site: Newbridge House, O217496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.25b.

16551, *Grasses*, soil, parkland & scattered trees, Site: Newbridge House, O217499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 5. Near Beech.

16744, *Grasses*, soil, lawn, Site: Newbridge House, O212495, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.33.

16763, *Grasses*, soil, lawn, Site: Newbridge House, O214496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.35.

16734, *Grasses*, soil, lawn, Site: Newbridge House, O216495, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.30. Near bridge.

Pluteaceae***Pluteus***

16724, *Fagus sylvatica*, wood, copse, Site: Newbridge House, O217496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.25. Elm also.

Strophariaceae***Hypholoma lateritium***

as *Hypholoma sublateritium*, 16721, *Fagus sylvatica*, wood, copse, Site: Newbridge House, O217496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.25. Elm also.

Stropharia

16732, *Grasses*, soil, lawn, Site: Newbridge House, O216495, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.29. Near old bridge pond.

Stropharia semiglobata

16538, *Grasses*, soil, grass roots, lawn, Site: Newbridge House, O215500, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 05/09/2006, Notes: Stop 1. In front of house.

Tricholomataceae***Collybia***

16835, twig, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.13.

16777, *Fagus sylvatica*, wood, woodland, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.1. Near path and rubbish on flattened ground by gate.

Collybia confluens

16615, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O220502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 21c.

16772, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O221496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.41. Ivy on trees and ground.

16619, *Prunus laurocerasus*, soil, parkland & scattered trees, Site: Newbridge House, O221501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 23. Beech, Ash and Sycamore.

Hygrocybe

16718, *Grasses*, soil, parkland & scattered trees, Site: Newbridge House, O218496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.24.

16700, *Grasses*, soil, lawn, Site: Newbridge House, O215498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.15.

16737, *Grasses*, soil, lawn, Site: Newbridge House, O214492, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.32. Oak, Beech and Horse Chestnut also. Young rabbit feeding here.

16701, *Grasses*, soil, lawn, Site: Newbridge House, O215498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.15.

Hygrocybe intermedia

16717, *Grasses*, soil, parkland & scattered trees, Site: Newbridge House, O218496, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.24.

Hygrocybe psittacina* var. *psittacina

as *Hygrocybe psittacina*, 16716, *Grasses*, soil, parkland & scattered trees, Site: Newbridge House, O218496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.24.

as *Hygrocybe psittacina*, 16740, *Grasses*, soil, woodland edge, Site: Newbridge House, O214492, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.32. Oak, Beech and Horse Chestnut also. Young rabbit feeding here.

Mycena

16844, *Fagus sylvatica*, wood, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.17. By river. Oak also.

16782, *Fagus sylvatica*, leaf litter, woodland, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.2. Near path and rubbish on flattened ground by gate.

16816, *Quercus*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.10. Ash and Hawthorn also. Ridges in wood near wall and road.

Mycena acicula

16604, *Taxus baccata*, wood, woodland edge, Site: Newbridge House, O218501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 15. Ivy, Holly and Beech also.

Mycena clavicularis

16850, *Fraxinus excelsior*, bark, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.19.

Mycena filopes

16830, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.13. On ground.

Mycena polygramma

16792, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

Mycena speirea

16603, *Taxus baccata*, wood, woodland edge, Site: Newbridge House, O218501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 15. Ivy, Holly and Beech also.

Auriculariales**Auriculariaceae*****Auricularia auricula-judae***

16722, *Fagus sylvatica*, soil, copse, Site: Newbridge House, O217496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.25. Elm also.

16773, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O221496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 2.41. Ivy on trees and ground.

16692, *Fraxinus excelsior*, trunk, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.11b.

16606, *Sambucus nigra*, wood, woodland, Site: Newbridge House, O218501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 15. Yew also.

16869, *Sambucus nigra*, bark, woodland, Site: Newbridge House, O209496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.27. Lots of Ivy also. Behind Castle..

Auricularia mesenterica

16695, fallen tree, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.13.

16688, *Fraxinus excelsior*, bark, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.10.

Boletales**Boletaceae*****Boletus luridus***

16715, Doubtful record, *Fagus sylvatica*, soil, parkland & scattered trees, Site: Newbridge House, O218496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.23. Decayed specimen.

Xerocomus chrysenteron

as *Boletus chrysenteron*, 16620, *Coniferae*, soil, parkland & scattered trees, Site: Newbridge House, O222500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 24.

as *Boletus chrysenteron*, 16687, *Taxus baccata*, soil, woodland, Site: Newbridge House, O215498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.9. Near pond, lots of Ivy.

16582, *Oak*, soil, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 12. Ash and Sycamore.

16618, *Prunus laurocerasus*, soil, parkland & scattered trees, Site: Newbridge House, O221501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 23. Beech, Ash and Sycamore also.

Xerocomus porosporus

as *Boletus porosporus*, 16540, *Fagus sylvatica*, soil, parkland & scattered trees, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 3. Girth c. 370 cm.

Paxillaceae

Paxillus involutus

16629, *Betula*, soil, stand of trees, Site: Newbridge House, O219499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 27. Young trees also Oak and Acer.

16626, *Betula*, soil, stand of trees, Site: Newbridge House, O219499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 28. Young trees also Oak and Acer.

16727, *Betula*, soil, woodland, Site: Newbridge House, O217496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.26.

16742, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O214492, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.32. Oak, Beech and Horse Chestnut also. Young rabbit feeding here. Warmer spot.

16735, *Grasses*, soil, woodland, Site: Newbridge House, O214494, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.31. Oak, Beech and Horse Chestnut also.

Sclerodermataceae

Scleroderma

16708, *Crataegus monogyna*, soil, parkland & scattered trees, Site: Newbridge House, O218498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.22. Near derelict house with Holm Oak.

Cantharellales

Clavulinaceae

Clavulina cinerea

16786, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.4. Soil bank.

16790, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

Clavulina coralloides

as *Clavulina cristata*, 16791, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

as *Clavulina cristata*, 16814, *Taxus baccata*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.9. Ivy, Oak and Hawthorn also.

Hymenochaetales

Hymenochaetaceae

Inonotus hispidus

16691, *Fraxinus excelsior*, trunk, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.11b.

16643, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.2. Near driveway.

16702, *Fraxinus excelsior*, bark, woodland edge, Site: Newbridge House, O215498, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.16.

16637, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213499, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.1. Girth approx. 3m. Near car park.

Schizoporaceae

Hyphodontia sambuci

16870, *Sambucus nigra*, bark, woodland, Site: Newbridge House, O209496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.27. Lots of Ivy also. Behind Castle..

16685, *Sambucus nigra*, bark, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.7. *Taxus baccata* also.

16689, *Taxus baccata*, bark, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.10b.

Phallales

Gastraceae

Gastrum fimbriatum

as *Gastrum rufescens*, 16697, Doubtful record, soil, woodland, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.14. Mixed wood. Soil disturbed by burrowing animals.

Polyporales

Fomitopsidaceae

Postia caesia

16781, *Fagus sylvatica*, log, woodland, Site: Newbridge House, O209502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.2. Near path and rubbish on flattened ground by gate.

Ganodermataceae

Ganoderma applanatum

16711, *Fagus sylvatica*, soil, parkland & scattered trees, Site: Newbridge House, O218496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.23.

16609, *Fagus sylvatica*, stump, woodland, Site: Newbridge House, O220502, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 19. Near wall at edge of estate.

16638, *Fraxinus excelsior*, bark, parkland & scattered trees, Site: Newbridge House, O213499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.1. Girth approx. 3m. Near car park.

16602, *Taxus baccata*, wood, woodland edge, Site: Newbridge House, O218501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 15. Ivy, Holly and Beech also.

Meripilaceae***Grifola frondosa***

16607, *Fagus sylvatica*, base of tree, woodland, Site: Newbridge House, O218501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 17. Ivy, Yew, Holly and Laurel. Large specimen on ground also.

Polyporaceae***Polyporus squamosus***

16854, *Fagus sylvatica*, wood, woodland, Site: Newbridge House, O210500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.21.

Trametes versicolor

16703, stump, garden, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 16/09/2006, Notes: Stop 2.19. Same as Day 1, stop 2.

16539, stump, garden, Site: Newbridge House, O216500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 2. Side of house.

16867, *Acer pseudoplatanus*, wood, woodland, Site: Newbridge House, O209496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.26. Ash and Beech, mossy with Nettles and Ivy also. Behind Castle..

16817, *Quercus*, wood, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.10. Ash and Hawthorn also. Ridges in wood near wall and road.

Russulales**Peniophoraceae*****Peniophora quercina***

16583, *Oak*, soil, young copse, Site: Newbridge House, O218500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 05/09/2006, Notes: Stop 13. Young tree.

16825, *Quercus*, wood, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.11. By drain with road.

Russulaceae***Lactarius***

16828, wood, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.13. By stream by bridge under road.

16839, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.14. Riverside with Ash and Hazel.

16820, *Quercus*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.10. Ash and Hawthorn also. Ridges in wood near wall and road.

Lactarius aurantiacus

as *Lactarius mitissimus*, 16851, *Corylus avellana*, soil, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.20. Beech also.

Lactarius piperatus

16809, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.7. Beech, Oak, Ash, Hawthorn also.

Lactarius tabidus

16842, *Fagus sylvatica*, log, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.16. By river. Oak also.

16785, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.3. Oak nearby.

Lactarius vellereus* var. *vellereus

as *Lactarius vellereus*, 16843, Doubtful record, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.17. By river. Oak also.

as *Lactarius vellereus*, 16823, Doubtful record, *Quercus*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.11. By drain with road.

Russula

16827, wood, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.13. By stream by bridge under road.

16837, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.14.

16713, *Fagus sylvatica*, soil, parkland & scattered trees, Site: Newbridge House, O218496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.23.

16857, *Fagus sylvatica*, wood, woodland, Site: Newbridge House, O210500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.21. Ash, Holly and Ivy.

16876, *Grasses*, soil, garden, Site: Newbridge House, O217500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.32. Branch fell down night before.

16796, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

16856, *Taxus baccata*, wood, woodland, Site: Newbridge House, O210500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.21 w.

Russula betularum

16794, Doubtful record, *Quercus*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.5.

Russula delica

16822, *Quercus*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.10. Ash and Hawthorn also. Ridges in wood near wall and road.

Russula fragilis

16784, *Fagus sylvatica*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.3. Oak nearby.

Russula lutea

16848, *Acer pseudoplatanus*, leaves, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.17. By river. Oak also.

Russula luteotacta

16819, *Quercus*, soil, woodland, Site: Newbridge House, O209500, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.10. Ash and Hawthorn also. Ridges in wood near wall and road.

Russula mairei

16805, *Betula*, soil, woodland, Site: Newbridge House, O209501, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.6. Beech, Oak, Ash, Hawthorn also.

Russula mustelina

16712, Doubtful record, *Fagus sylvatica*, soil, parkland & scattered trees, Site: Newbridge House, O218496, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.23.

Thelephorales**Thelephoraceae*****Thelephora palmata***

16847, *Acer pseudoplatanus*, soil, woodland, Site: Newbridge House, O210499, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 24/09/2006, Notes: Stop 3.17. By river. Oak also.

Urediniomycetes**Uredinales****Phragmidiaceae*****Phragmidium violaceum***

16684, *Rubus fruticosus* agg., leaves, woodland edge, Site: Newbridge House, O214498, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.5.

16771, *Rubus fruticosus* agg., leaves, woodland edge, Site: Newbridge House, O220495, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 16/09/2006, Notes: Stop 2.40. Blackthorn also.

348 records, 148 species.

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 Agaricus arvensis - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
 Agaricus campestris - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
 Agaricus litoralis - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
 Agaricus macrosporus - (= Agaricus albertii), Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
 Agaricus pilatianus - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
 Agaricus silvaticus - Basidiomycota, Basidiomycetes, Agaricales, Agaricaceae.
 Armillaria mellea - Basidiomycota, Basidiomycetes, Agaricales, Marasmiaceae.
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 Arthonia radiata - Ascomycota, Ascomycetes, Arthoniales, Arthoniaceae.
 Ascodichaena rugosa - Ascomycota, Ascomycetes, Rhytismatales, Ascodichaenaceae.
 Auricularia auricula-judae - Basidiomycota, Basidiomycetes, Auriculariales, Auriculariaceae.
 Auricularia mesenterica - Basidiomycota, Basidiomycetes, Auriculariales, Auriculariaceae.
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 Boletus porosporus - (= Xerocomus porosporus), Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
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 Calvatia gigantea - Basidiomycota, Basidiomycetes, Agaricales, Lycoperdaceae.
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 Clavaria vermicularis - (= Clavaria fragilis), Basidiomycota, Basidiomycetes, Agaricales, Clavariaceae.
 Clavulina cinerea - Basidiomycota, Basidiomycetes, Cantharellales, Clavulinaceae.
 Clavulina coralloides - Basidiomycota, Basidiomycetes, Cantharellales, Clavulinaceae.
 Clavulina cristata - (= Clavulina coralloides), Basidiomycota, Basidiomycetes, Cantharellales, Clavulinaceae.
 Clavulinopsis fusiformis - Basidiomycota, Basidiomycetes, Agaricales, Clavariaceae.
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 Inocybe geophylla - (= Inocybe geophylla var. geophylla), Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.

Inocybe geophylla var. *geophylla* - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Inocybe geophylla var. *lilacina* - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
Inocybe rimosa var. *rimosa* - Basidiomycota, Basidiomycetes, Agaricales, Cortinariaceae.
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Lepraria incana agg. - (= *Lepraria incana*), Anamorphic fungi, hyphomycetous anamorph.
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Mycena acicula - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena clavicularis - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena filopes - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena galericulata - (= *Mycena galericulata* var. *galericulata*).
Mycena galericulata var. *galericulata* -
Mycena polygramma - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Mycena speirea - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Nectria cinnabarina - Ascomycota, Ascomycetes, Hypocreales, Nectriaceae.
Opegapha atra - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Panaeolina foenisecii - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Panaeolus ater - (= *Panaeolus fimicola*), Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Panaeolus fimicola - Basidiomycota, Basidiomycetes, Agaricales, Bolbitiaceae.
Parmelia saxatilis - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Parmelia sulcata - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Parmotrema chinense - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Parmotrema perlatum - (= *Parmotrema chinense*), Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Paxillus involutus - Basidiomycota, Basidiomycetes, Boletales, Paxillaceae.
Paxina acetabulum - (= *Helvella acetabulum*), Ascomycota, Ascomycetes, Pezizales, Helvellaceae.
Peniophora quercina - Basidiomycota, Basidiomycetes, Russulales, Peniophoraceae.
Pertusaria albescens - (= *Pertusaria albescens* var. *albescens*), Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Pertusaria albescens var. *albescens* - Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Pertusaria amara - (= *Pertusaria amara* f. *amara*), Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Pertusaria amara f. *amara* - Ascomycota, Ascomycetes, Pertusariales, Pertusariaceae.
Peziza petersii - Ascomycota, Ascomycetes, Pezizales, Pezizaceae.
Phacidium multivalve - Ascomycota, Ascomycetes, Helotiales, Phacidaceae.
Phaeophyscia orbicularis - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Phoma samararum - Anamorphic fungi, coelomycetous anamorph.
Phragmidium violaceum - Basidiomycota, Urediniomycetes, Uredinales, Phragmidiaceae.
Physcia adscendens - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Physcia aipolia - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Physcia leptalea - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Physcia semipinnata - (= *Physcia leptalea*), Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Physcia tenella - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Physconia distorta - Ascomycota, Ascomycetes, Lecanorales, Physciaceae.
Pluteus - Basidiomycota, Basidiomycetes, Agaricales, Pluteaceae.
Polyporus squamosus - Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
Postia caesia - Basidiomycota, Basidiomycetes, Polyporales, Fomitopsidaceae.
Psathyrella - Basidiomycota, Basidiomycetes, Agaricales, Coprinaceae.
Punctelia subrudecta - Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
Ramalina calicaris - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
Ramalina canariensis - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.

Ramalina farinacea - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
 Ramalina fastigiata - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
 Rhytisma acerinum - Ascomycota, Ascomycetes, Rhytismatales, Rhytismataceae.
 Russula - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula betularum - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula delicata - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula fragilis - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula lutea - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula luteotacta - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula mairei - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Russula mustelina - Basidiomycota, Basidiomycetes, Russulales, Russulaceae.
 Schismatomma decolorans - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
 Scleroderma - Basidiomycota, Basidiomycetes, Boletales, Sclerodermataceae.
 Stropharia - Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
 Stropharia semiglobata - Basidiomycota, Basidiomycetes, Agaricales, Strophariaceae.
 Taphrina alni - (= Taphrina amentorum), Ascomycota, Taphrinomycetes, Taphrinales, Taphrinaceae.
 Taphrina amentorum - Ascomycota, Taphrinomycetes, Taphrinales, Taphrinaceae.
 Thelephora palmata - Basidiomycota, Basidiomycetes, Thelephorales, Thelephoraceae.
 Trametes versicolor - Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
 Ustulina deusta - (= Kretzschmaria deusta), Ascomycota, Ascomycetes, Xylariales, Xylariaceae.
 Vascellum pratense - Basidiomycota, Basidiomycetes, Agaricales, Lycoperdaceae.
 Vouauxiella lichenicola - Anamorphic fungi, coelomycetous anamorph.
 Xanthoria parietina - Ascomycota, Ascomycetes, Teloschistales, Teloschistaceae.
 Xanthoria polycarpa - Ascomycota, Ascomycetes, Teloschistales, Teloschistaceae.
 Xanthorhiza physciae - Anamorphic fungi, hyphomycetous anamorph.
 Xerocomus chrysenteron - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
 Xerocomus porosporus - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
 Xylaria hypoxylon - Ascomycota, Ascomycetes, Xylariales, Xylariaceae.
 Xylaria polymorpha - Ascomycota, Ascomycetes, Xylariales, Xylariaceae.

Associated Organism Index

Acer pseudoplatanus

Coprinus, Coprinus micaceus, Inocybe rimosa var. rimosa, Parmotrema chinense, Physcia tenella, Ramalina fastigiata, Rhytisma acerinum, Russula lutea, Thelephora palmata, Trametes versicolor, Xanthoria parietina, Xylaria polymorpha.

Aesculus hippocastanum

Chrysothrix candelaris, Diploicia canescens, Flavoparmelia caperata, Hebeloma, Hyperphyscia adglutinata, Hypotrachyna revoluta, Inocybe, Lecanora chlorotera, Lecanora expallens, Lecidella elaeochroma f. elaeochroma, Melanelia subaurifera, Opegrapha atra, Parmelia saxatilis, Parmelia sulcata, Pertusaria amara f. amara, Phaeophyscia orbicularis, Physcia leptalea, Physcia tenella, Punctelia subrudecta, Ramalina farinacea, Ramalina fastigiata, Schismatomma decolorans, Xanthoria parietina.

Alnus glutinosa

Taphrina amentorum.

Betula

Crepidotus mollis, Inocybe rimosa var. rimosa, Laccaria laccata, Nectria cinnabarina, Panaeolina foenicisecii, Paxillus involutus, Russula mairei.

Coniferae

Vascellum pratense, Xerocomus chrysenteron.

Corylus avellana

Clavulinopsis fusiformis, Inocybe geophylla var. lilacina, Lactarius aurantiacus.

Crataegus monogyna

Bolbitius vitellinus, Coprinus comatus, Coprinus micaceus, Inocybe, Inocybe geophylla var. lilacina, Psathyrella, Scleroderma.

Euonymus europaeus

Microsphaera euonymi.

Fagus sylvatica

Arthonia radiata, Auricularia auricula-judae, Boletus luridus, Clavulina cinerea, Collybia, Collybia confluens, Coprinus comatus, Cortinarius, Diploicia canescens, Ganoderma applanatum, Grifola frondosa, Helvella acetabulum, Hymenoscyphus fagineus, Hypholoma lateritium, Hypoxylon, Hypoxylon fragiforme, Hypoxylon fuscum, Inocybe geophylla var. lilacina, Inocybe rimosa var. rimosa, Kretzschmaria deusta, Laccaria laccata, Lactarius, Lactarius piperatus, Lactarius tabidus, Lactarius vellereus var. vellereus, Lecanora chlorotera, Lecidella elaeochroma f. elaeochroma, Lepiota cristata, Lycoperdon pyriforme, Mycena, Opegrapha atra, Panaeolina foenicisecii, Parmelia sulcata, Paxillus involutus, Pluteus, Polyporus squamosus, Postia caesia, Ramalina calicaris, Ramalina farinacea, Ramalina fastigiata, Russula, Russula fragilis, Russula mustelina, Schismatomma decolorans, Xanthoria parietina, Xerocomus porosporus, Xylaria hypoxylon.

Fraxinus excelsior

Acrocordia gemmata, Agaricus campestris, Arthonia pruinata, Arthonia radiata, Auricularia auricula-judae, Auricularia mesenterica, Chrysothrix candelaris, Daldinia concentrica, Diploicia canescens, Ganoderma applanatum, Inonotus hispidus, Lecanora chlorotera, Lecidella elaeochroma f. elaeochroma, Mycena clavicularis, Opegrapha atra, Phoma samararum, Xanthoria parietina.

Grasses

Agaricus albertii, Agaricus arvensis, Agaricus campestris, Agaricus litoralis, Agaricus pilatianus, Calvatia gigantea, Clavaria fragilis, Conocybe subovalis, Entoloma, Galerina, Hygrocybe, Hygrocybe intermedia, Hygrocybe psittacina var. psittacina, Inocybe geophylla var. lilacina, Marasmius oreades, Panaeolina foenicisecii, Panaeolus fimicola, Paxillus involutus, Russula, Stropharia, Stropharia semiglobata.

Hedera helix

Armillaria mellea.

Ilex aquifolium

Phacidium multivalve.

Juglans regia

Arthonia radiata, Chrysothrix candelaris, Diploicia canescens, Flavoparmelia caperata, Lecanora chlorotera, Lecidella elaeochroma f. elaeochroma, Pertusaria albescens var. albescens, Physcia adscendens, Physcia tenella, Physconia distorta, Ramalina canariensis, Xanthoria parietina.

Larix decidua

Diploicia canescens, Schismatomma decolorans.

Lecanora chlarotera

Vouauxiella lichenicola.

Oak

Ascodichaena rugosa, Laccaria laccata, Peniophora quercina, Xanthoria parietina, Xerocomus chrysenteron.

Physcia tenella

Hobsonia christiansenii, Physcia adscendens.

Prunus laurocerasus

Collybia confluens, Xerocomus chrysenteron.

Quercus

Chrysothrix candelaris, Clavulina cinerea, Clavulina coralloides, Conocybe percincta, Cortinarius, Diploicia canescens, Enterographa crassa, Entoloma serrulatum, Evernia prunastri, Laccaria laccata, Lactarius, Lactarius vellereus var. vellereus, Lecanora carpinea, Lecanora chlarotera, Lecidella elaeochroma f. elaeochroma, Lepraria incana, Marasmiellus vaillantii, Melanelia subaurifera, Microsphaera alphitoides, Mycena, Mycena galericulata var. galericulata, Mycena polygramma, Opegrapha atra, Peniophora quercina, Peziza petersii, Physcia aipolia, Physcia tenella, Ramalina farinacea, Ramalina fastigiata, Russula, Russula betularum, Russula delicata, Russula luteotacta, Trametes versicolor, Xanthoria polycarpa, Xylaria polymorpha.

Rubus fruticosus agg.

Phragmidium violaceum.

Salix viminalis

Arthonia radiata, Evernia prunastri, Flavoparmelia caperata, Lecanora carpinea, Lecanora chlarotera, Lecanora expallens, Lecidella elaeochroma f. elaeochroma, Lecidella elaeochroma f. soralifera, Melanelia subaurifera, Opegrapha atra, Parmelia sulcata, Physcia aipolia, Physcia tenella, Physconia distorta, Punctelia subrudecta, Ramalina farinacea, Ramalina fastigiata, Xanthoria parietina.

Sambucus nigra

Auricularia auricula-judae, Coprinus comatus, Hyphodontia sambuci.

Taxus baccata

Clavulina coralloides, Cortinarius, Ganoderma applanatum, Hyphodontia sambuci, Inocybe geophylla var. geophylla, Laccaria laccata, Lepraria incana, Mycena acicula, Mycena speirea, Russula, Xerocomus chrysenteron.

Xanthoria parietina

Xanthoriicola physciae,

Appendix 6 - St. Catherine's Park

Details of site visits



View across part of St. Catherine's Park

Day 1 23rd August 2006

Maria Cullen

The survey began at the church end of the site, with a search along the river trees and expanse of grass and then woodland, along the river as far as the trenches at the far end of the site.

Stop 1 Exposed asbestos cladding of pipes across the river

Grid reference O016357

Lichen

Lecanora dispersa on tarry substance used on cement supports

Stop 2 *Alnus glutinosa* (Alder), *Fagus sylvatica* (Beech) in strip of wood by river

Petasites hybridus (Butterbur) back from trees, then pathway on grass, then grassy open area

Grid reference O017357

Coprinus plicatilis

Mycena acicula

Psathyrella microrhiza

Naucoria escharoides

Stop 3 *Alnus glutinosa* (Alder) by river with *Angelica sylvestris* (Wild Angelica)

Grid reference O017357

Taphrina alni on *Alnus glutinosa* nuts

Psathyrella candolleana

Coprinus plicatilis

Naucoria escharoides

Galerina sp.

Agaricus campestris on soil

Stop 4 *Acer pseudoplatanus* (Sycamore)**Grid reference** 0018358

Rhytisma acerinum on leaves

Lichens

*Ramalina fastigiata**Parmelia sulcata**Xanthoria parietina**Evernia prunastri**Hyperphyscia adglutinata**Physcia adscendens**Diploicia canescens***Stop 5** *Fraxinus excelsior* (Ash) with oak by river and lots of *Orobanche hederæ*
(Ivy broomrape)**Grid reference** 0018358

Lichens

*Xanthoria parietina**Physcia tenella**Lecidella elaeochroma**Lecanora conizaeoides**Opegrapha atra*

Mussel scale insect

Stop 5b *Salix* (Weeping Willow)**Grid reference** 0018358

Lichens

*Xanthoria parietina**Physcia tenella**Evernia prunastri**Parmelia sulcata**Melanelia subaurifera***Stop 6** *Alnus glutinosa* (Alder), *Fagus sylvatica* (Beech), *Crataegus monogyna*
(Hawthorn)**Grid reference** 0018358

Lichens

Hypogymnia physodes on groundLichens on *Alnus glutinosa* (Alder)*Lecidella elaeochroma**Lepraria incana* agg.*Lecanora conizaeoides**Arthonia radiata**Parmelia sulcata**Ramalina farinacea*

Alga

Trentepohlia sp.

Blackberries are ripe here

Arum maculatum

Ivy broomrape on Ivy on Ash in river

Stop 6b Quercus robur (Oak) young tree by river. Ivied tree
Grid reference O018358

Lichens
 Melanelia subaurifera
 Opegrapha vulgata
 Arthonia radiata
 Parmelia sulcata
 Punctelia subrudecta
 Physcia tenella
 Lepraria incana agg.
 Ramalina farinacea
 Lecanora chlarotera
 On grass underneath
 Fungi
 Marasmius gramineum
 Rhynchosporium sp. on Agrostis

Stop 7 From grasses in open field
Grid references O017358, O018358
 Psathyrella sp.
 Agrocybe praecox (?Hebeloma creamy on top with a ring)
 Panaeolina foenisecii

Stop 7b Adjacent Fraxinus excelsior (Ash) by river and area of inner line of young
 Alnus glutinosa (Alder)
Grid reference O020358
 Ash with Lichens
 Physcia tenella
 Opegrapha atra
 Lecanora dispersa
 Lecanora chlarotera
 Lecanora conizaeoides
 Ramalina farinacea
 Lecidella elaeochroma var. soralifera
 Arthonia radiata
 Melanelia subaurifera
 Xanthoria parietina
 Vetch rust

Ilex aquifolium (Holly)
 Phacidium multivalve on leaves
 Physcia tenella and Xanthoria parietina on Rosa sp.

Stop 8 Petasites hybridus (Coltsfoot) opposite Larix decidua (Larch) on other bank
Grid reference O020358
 Coleosporium tussilaginis

Stop 9 Grass of open field
Grid references O019358, O020359
 Entoloma sericeum
 Coprinus plicatilis

Herbaceous stem litter with black dots



Hypoxylon nummularium on decaying Beech

Stop 10 Fagus sylvatica (Beech) in corner of field area with wood strip along river

Grid reference O021357

Lichen

Opegrapha cinerea

Ganoderma applanatum

Cherry tree here too

Pluteus cervinus

Large, diseased, 1 fallen and grey bracket

Ustulina deusta

Hypoxylon nummularium

Coprinus disseminatus Small pale gregarious fungi on soil/roots by drain into river, park

Stop 11 Wood by river, lots of Ivy

Grid reference O021359

Hymenochaete corrugata on Hazel

Hypoxylon fuscum on Hazel

Auricularia auricula-judae on Elder

Alder, Holly, Beech

Beech has white fluff of insect – Cryptococcus fagisuga

Ganoderma applanatum

Hawthorn with lichen

Opegrapha atra

Fungus

Marasmius rotula with Sycamore and Ivy

Stop 12 Fraxinus excelsior (Ash) long main path through wood to old culvert

Grid reference O021355

Polyporus squamosus, rotted down

Nectria cinnabarina on twig on ground, tuberculina state

Cortinarius sp. in culvert stream bed

Melanophyllum eyrei with blue gills NEW TO DUBLIN

?Cystoderma carcharias

Elder

Auricularia auricula-judae

Mycena speirea near burrows

Little Myxomycete on stems of Ivy, white bubbles on black stems

Collybia sp.

Stop 13 Sasa (Bamboo) patch by river track
Grid reference O021354
Sasa with brown patches and spots
Cyathus striatus
Nectria cinnabarina

Stop 13b
Grid reference O023352
Wood of lightning tree across path
Orbilia sarraziniana
Armillaria mellea
Marasmius rotula
Lichen
Peltigera lactucifolia

Stop 14 Symphoricarpos racemosus (Snowberry)
Grid reference O026352
Lycoperdon pyriforme
Mycena galericulata
Pluteus sp.
Thelephora spiculosa

Stop 15 Raft of fungi all one species in deep ditches near river at eastern end of park
Grid reference O027352
Entoloma nidorosum pale
Entoloma rhodopolium greyer

Stop 16 On wet log near end of property
Grid reference O027352
Auricularia mesenterica

Stop 17 main path above ditches
Grid reference O026352
On log pointing diagonally towards ground up the hill, away from river, at edge of woodland with path behind fencing.
Orbilia
Stemonitis fusca (beautiful yellow-green globules on whitish stalks, colonial in 4 groups) later purple globules and dark almost black stems and coating.

Day 2 6th September 2006

Surveyor: Maria Cullen

Parked at Collins Bridge end of site and proceeded down the woodland behind the buildings and through conifer plantation to the corner with the ruined church at pathway.

Stop 2.1 Old wood on ground in Beech, Holly, Laurel woodland
Grid reference O022360
Marasmius rotula

- Stop 2.2** Fagus sylvatica (Beech) stump
Grid reference O021360
Postia caesia
Lichen
Lepraria incana agg.
- Stop 2.3** Fagus sylvatica (Beech) by path in wood behind buildings
Grid reference O021360
Polyporus varius
- Stop 2.4** Fagus sylvatica (Beech) in wood
Grid reference O020360
Xerocomus chrysenteron (small)
- Stop 2.5** Ilex aquifolium (Holly) in wood
Grid reference O020360
Agaricus campestris
14 fruiting bodies visible
- Stop 2.6** Edge of Beech dominated woodland and Sitka spruce plantation
Grid reference O020360
Macrolepiota procera
On dead Elm wood
Rhodotus palmatus
- Stop 2.7** Picea sitchensis (Sitka spruce) plantation
Grid reference O019360
Mycena filopes
Bracket near edge zone with conifers also
- Stop 2.8** Picea sitchensis (Sitka spruce). Top of conifer edge with nettles and brambles
Grid reference O019361
Entoloma sinuatum
Cortinarius pinicola
- Stop 2.9** Near top edge of conifer plantation (sports field over the wall)
Grid reference O018361
Lycoperdon perlatum
- Stop 2.10** By wall between conifer plantation and sports fields
Grid reference O019361
Elder
Auricularia auricula-judae
Among nettles
rotten Agaricus sp.
- Stop 2.11** Picea sitchensis (Sitka spruce). Top of Sitka spruce plantation
Grid reference O019361
Marasmius rotula

- Stop 2.12** Picea sitchensis (Sitka spruce). Plantation
Grid reference O018360
 Ramaria flava
 Mycena pura
- Stop 2.13** Far edge of plantation with young Elder and nettles
Grid reference O018360
 Agaricus campestris
 Soil disturbance here
- Stop 2.14** Sambucus nigra (Elder). Elder-rich corner at edge of conifer plantation with church ruins not far across waste bramble-covered land in between
Grid reference O018360
 Macrolepiota rhacodes, 12 fruiting bodies at least
 Hyphodontia sambuci
- Stop 2.15** At very bottom corner of plantation
Grid reference O018360
 Elder, Rosa, Sitka?
 Agaricus campestris
- Stop 2.16** Picea sitchensis (Sitka spruce) lignum on ground
Grid reference O018360
 Clavulina cristata
 Dacrymyces stillatus
- Stop 2.17** By gap in hedge between conifer plantation and track from church ruins
Grid reference O019360
 Agaricus xanthodermus (not here last day)
- Stop 2.18** Fagus sylvatica (Beech) large tree – only tree in big expanse of grass
Grid reference O018359
 Inocybe godeyi
- Stop 2.19** Across the field towards river, different assemblage of fungi than last visit
Grid references O018359, O017358
 River smells strongly of waste water as if from washing machines
 From bridge clear that water is being discharged from water treatment plant upstream
- Stop 2.20** Conifers, Birch and Spindle in young plantation between track to bridge and treatment plant
Grid reference O016359
- Stop 2.21** Fraxinus excelsior (Ash) sticks, fallen by path to holy wells
Grid reference O016361
 Lichens
 Hypogymnia physodes
 Parmotrema perlatum

Stop 2.22 Quercus (Oak), large old tree behind wall opposite buildings of St. Catherine's
Grid reference O016363
Fistulina hepatica in bole with rocks added
Lichen
Schismatomma cretaceum

Stop 2.23 Bank of trees between park and water treatment plant
Grid reference O017360
Naucoria escharoides

Stop 2.24 In grass of field
Grid reference O017358
Hebeloma sacchariolens
Panaeolina foenisecii

Stop 2.25 Fagus sylvatica (Beech) tree in corner of field and woodland
Grid reference O021357
Tremella mesenterica
Bracket

Stop 2.25b Fagus sylvatica (Beech) nuts
Grid reference O022357
Hymenoscyphus fructigena

Stop 2.26 As far as where stoat? Was seen last day
Grid reference O021355
Marasmius rotula
Lepiota cristata with Beech
Back at main path

Stop 2.27 Hazel, Beech, Sycamore wood
Grid reference O021354
Peziza on ground – large, brown several fruits
Lepiota cristata
Mycena sp.



Melanophyllum haematospermum on soil in woodland near River Liffey

Stop 2.28 Near culvert with Beech, Sycamore and Hazel
Grid reference O021354
Melanophyllum haematospermum NEW TO DUBLIN

Stop 2.29 *Fagus sylvatica* (Beech), Sycamore and Scot's Pine
Grid reference O021354
Entoloma nidorosum

Stop 2.30 On wood, at culvert on Beech wood on ground
Grid reference O021355
Xylaria polymorpha



Coprinus disseminatus on decaying wood

Stop 2.31 In wood near Sasa (Bamboo) on fallen tree
Grid reference O021354
Coprinus disseminatus

Stop 2.32 Near 'lightning' tree
Grid reference O023352
Inocybe fastigiata



Lycogala epidendrum on wet wood of 'lightning' tree

Stop 2.33 'Lightning' tree
Grid reference O023352
Lycogala epidendrum

Stop 2.34 Fraxinus excelsior (Ash), Beech Sycamore Oak with Populus alba and Symphoricarpus racemosus (Snowberry)

Grid reference O024352

Collybia sp.

Inocybe geophylla var. lilicina

Lepiota cristata

Hygrocybe sp. (yellow-orange)

Clavulinopsis helvola

Stop 2.35 Hollows – deep drains or canals with pale smelly fungi again, nearly over now

Grid reference O027352

Entoloma nidorosum

Nectria cinnabarina

Agaricus campestris

Stop 2.36 Woodland

Grid reference O025352

Mycena (reddish)

Day 3 19th September 2006

Howard Fox & Maria Cullen

Stop 3.1 Path in from ruined house, with Beech, Sycamore, Laurel, Holly and Ivy

Grid reference O021360

Inocybe fastigiata

Trametes versicolor on Beech

Stop 3.2 Deciduous tree stump

Grid reference O021360

Lichen

Lepraria incana agg.

Stop 3.3 Corylus avellana (Hazel), dead tree

Grid reference O021360

Hypoxyton fuscum

Stop 3.4 Acer pseudoplatanus (Sycamore). Decaying Log in Ivy near forestry plantation

Grid reference O020360

Xylaria polymorpha

Auricularia auricula-judae



Macrolepiota rhacodes among ivy under Sitka Spruce

Stop 3.5 Picea sitchensis (Sitka spruce) plantation

Grid reference O020360

Macrolepiota rhacodes (old)

Stop 3.5b Picea sitchensis (Sitka spruce) plantation

Grid reference O018360

Lycoperdon pyriforme still at top of wood from last day

Agaricus silvicola in plantation at top of wood and middle of wood

Postia caesia on stump of Sitka Spruce

Macrolepiota rhacodes under Elder and Sitka

Hyphodontia sambuci on Elder

Stop 3.6 Opposite Gateway at end of path in grass

Grid reference O020360

Psathyrella sp.

Stop 3.7 Quercus (Oak tree) with *Fustulina hepatica* nearby

Grid reference O016362

Heracleum sphondylium with *Erysiphe heraclei*

Auricularia auricula-judae

Caloplaca flavescens

Stop 3.8 Liffey Bridge

Grid reference O016357

Nostoc commune in moss on old tarmac

Cyanobacterium

Stop 3.9 Grass in field

Grid reference O017351

Panaeolina foenisecii

Stop 3.10 *Fagus sylvatica* (Beech) visited twice corner of field with track

Grid reference O021357

Stop 3.11 Quercus (Oak) log by track

Grid reference O022357

Pluteus cervinus

Lycoperdon perlatum

Stop 3.12 Corylus avellana (Hazel) near river, Kingfisher flashed passed
Grid reference O021355
 Hypoxylon fuscum
 Tremella mesenterica on Ash log on ground
 Marasmius rotula by river

Stop 3.13 Near track
Grid reference O021355
 Lepiota cristata

Stop 3.14 Past culvert and on opposite side
Grid reference O021354
 Collybia confluens
 Postia stiptica

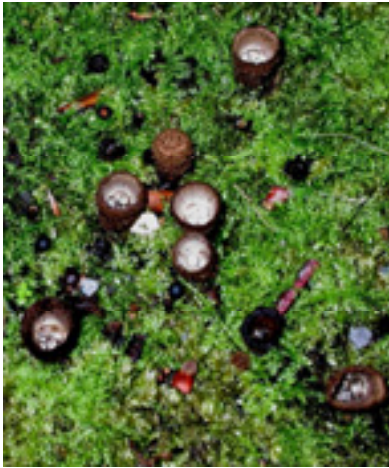
Stop 3.15 Woodland near river, near conifers
Grid reference O021354
 Entoloma nidorosum
 Hypholoma fasciculare Beech
 Rhytisma acerinum Sycamore



Kuehneromyces mutabilis on a log of wood by path

Stop 3.16 Fagus sylvatica (Beech) log
Grid reference O021354
 Kuehneromyces mutabilis
 Mycena (white) log by track (uphill)

Stop 3.17 Sambucus nigra (Elder) by track
Grid reference O021354
 Auricularia auricula-judae
 Nectria cinnabarina on beech stick near Bamboo



Cyathus striatus on decaying wood

Stop 3.18 Fagus sylvatica (Beech) log

Grid reference O021354

Cyathus striatus

Lycogala epidendrum

Mycoacia uda

Diatrype disciformis

Stop 3.19 By weir, Heron and Yellow Wagtail again.

Grid reference O022353

Agaricus (spiky brown)

Cortinarius sp.

Armillaria mellea

Lycoperdon perlatum

Tricholoma sejunctum

Tricholoma ustale

Ilex aquilifolium with black dots on leaves *Trochila ilicina*

Stop 3.20 Fagus sylvatica (Beech), fallen trees downstream from weir

Grid reference O022352

Hypholoma fasciculare

Xylaria longipes

Xylaria hypoxylon

Stop 3.20b On soil nearby

Calocera viscosa

Stop 3.21 Woodland

Grid reference O023352

Inocybe geophylla var. *ilicina*

Lepiota castanea

Lycoperdon pyriforme

Lycoperdon perlatum

Entoloma nidorosum

Inocybe by canal

Cyathus striatus

Xylaria polymorpha

Stop 3.22 Dry canal and Poplar Elm Sycamore Oak, Beech with Ivy
Grid reference O023352

Inocybe (umbonate)
 Laccaria laccata
 Entoloma nidorosum
 Ivy rather bare below

Stop 3.23 'Lightning tree'

Grid reference O023352

Pluteus cervinus
 Cortinarius sp.
 Lycogala epidendrum

Stop 3.24 Due southeast of the lightning tree

Grid reference O025351

Inocybe fastigiata (White tall stripy)

Stop 3.25 Fagus sylvatica (Beech)

Grid reference O025351

Collybia confluens

Stop 3.26 Fraxinus excelsior (Ash), very large tree

Grid reference O025351

Girth almost 2.5m

Lichens
 Enterographa crassa
 Opegrapha varia
 Lepraria incana agg.
 Pyrenula macrospora
 Opegrapha atra
 Graphis scripta
 Opposite Spawell hotel

Stop 3.27 Symphoricarpos racemosus (Snowberry) with White Poplar

Grid reference O025351

Peziza badia on ground
 Mycena (Grey)
 Clavulinopsis helvola

Stop 3.28 Symphoricarpos racemosus (Snowberry) opposite train container

Grid reference O025351

Helvella crispa

Stop 3.29 Fagus sylvatica (Beech) by boundary

Grid reference O025351

Postia caesia

Stop 3.30 Stachys sylvatica at end of site

Grid reference O025351

Stop 3.31 Path in *Fagus sylvatica* (Beech) wood**Grid reference** O024352

Pluteus cervinus under Beech with Holly

Macrolepiota procera under Beech

Mycena pura

Clitocybe nebularis

Polyporus squamosus

Mycoacia uda

Auricularia auricula-judae

Postia stiptica in Holly wood

Piptoporus betulinus on Birch

Lentinellus cochleatus on wood

*Lycoperdon pyriforme* on wood**Stop 3.32** *Ilex aquifolium* (Holly) and Beech wood**Grid reference** O023353

Agaricus xanthodermus

Mycena pura

Armillaria mellea

Lycoperdon pyriforme

Rhytisma acerinum

Psathyrella candolleana

Stop 3.33 *Fraxinus excelsior* (Ash) past culvert at top of wood, with ivy**Grid reference** O022356

Lichens

Pyrenula macrospora

Opegapha atra

Clavaria vermicularis

Stop 3.34 *Crataegus monogyna* (Hawthorn) by track**Grid reference** O022356

Psathyrella candolleana

Stop 3.35 *Taxus baccata* (Yew)**Grid reference** O022356

Armillaria mellea

Stop 3.36 Betula (Birch), Beech and Elm
Grid reference O022357
Armillaria mellea

Stop 3.37 Fagus sylvatica (Beech) stick
Grid reference O022357
Exidia thretiana
Phoma samarum
Cryptotvalsa eunomia at bend in path – not in Mycorec

Stop 3.38 Fagus sylvatica (Beech) by path near Hawthorn inside fence of path and triangle of trees in path with Viburnum opulus
Grid reference O022358
Auricularia auricula-judae
Agaricus xanthodermus

Stop 3.39 Ivy-floored Beechwood near Birch by path
Grid reference O022349
Trametes versicolor
Armillaria mellea
Polyporus squamosus on beech

Stop 3.40 Stump of tree near ruined house
Grid reference O023350
Trametes versicolor

Stop 3.41 Grass
Grid reference O023350
Panaeolina foenisecii
Lichens on Beech in row of trees
Lecidella elaeochroma
Lecanora chlarotera

St. Catherine's Park Mycorec Database Report

Taxonomic Index

Mycena galericulata var. *galericulata*

as *Mycena galericulata*, 16976, *Symphoricarpus racemosus*, soil, woodland, Site: St Catherines Park, O026352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 14.

Anamorphic fungi

coelomycetous anamorph

Phoma samararum

17132, *Fagus sylvatica*, stick, woodland, Site: St Catherines Park, O022357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.37.

hyphomycetous anamorph

Lepraria incana

as *Lepraria incana* agg., 17039, stump, woodland, Site: St Catherines Park, O021360, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.2.

as *Lepraria incana* agg., 16911, *Alnus glutinosa*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6. Twig on ground. Beech and Hawthorn Ivy and Ivy Broomrape also.

as *Lepraria incana* agg., 16986, *Fagus sylvatica*, old wood, woodland, Site: St Catherines Park, O021360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.2. Holly and Laurel also.

as *Lepraria incana* agg., 17101, *Fraxinus excelsior*, bark, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.26. Girth c. 2.5 m.

as *Lepraria incana* agg., 16922, *Quercus robur*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

Rhynchosporium

16926, *Agrostis*, grass, riverside, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

Ascomycota

Ascomycetes

Arthoniales

Arthoniaceae

Arthonia radiata

16913, *Alnus glutinosa*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6. Twig on ground. Beech and Hawthorn Ivy and Ivy Broomrape also.

16940, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

16918, *Quercus robur*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

Roccellaceae

Enterographa crassa

17099, *Fraxinus excelsior*, bark, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.26. Girth c. 2.5 m.

Opegrapha atra

16958, *Crataegus monogyna*, bark, woodland, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 11. By river.

17126, *Fraxinus excelsior*, bark, woodland, Site: St Catherines Park, O022356, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.33. Ivy also.

17103, *Fraxinus excelsior*, bark, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.26. Girth c. 2.5 m.

16934, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

16903, *Fraxinus excelsior*, bark, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 5. Near Oak and Ivy broomrape.

Opegrapha varia

17100, *Fraxinus excelsior*, bark, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.26. Girth c. 2.5 m.

Opegrapha vulgata

16951, *Fagus sylvatica*, twigs, riverside trees, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 10.

16917, *Quercus robur*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

Schismatomma cretaceum

17012, *Quercus*, bark, woodland, Site: St Catherines Park, O016363, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.22. Old tree behind wall at corner opposite buildings.

Erysiphales

Erysiphaceae

Erysiphe heraclei

17051, *Heracleum sphondylium*, leaves, ditch, Site: St Catherines Park, O016362, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 19/09/2006, Notes: Stop 3.7.

Helotiales**Dermateaceae*****Trochila ilicina***

17079, *Ilex aquifolium*, leaves, woodland, Site: St Catherines Park, O022353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.19. By weir.

Helotiaceae***Hymenoscyphus fructigenus***

17017, *Fagus sylvatica*, Beech nuts, riverside wood, Site: St Catherines Park, O022357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.25b.

Hypocreales**Nectriaceae*****Nectria cinnabarina***

16970, wood, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 13. By river track by Sasa. Ivy, Hazel and Sycamore also.

16963, wood, woodland, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 12. By river. On ground in tuberculina state. Ivy also.

17035, *Acer pseudoplatanus*, wood, riverside wood, Site: St Catherines Park, O027352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.35. Deep drains.

17067, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.17. Near Bamboo.

17068, *Sambucus nigra*, wood, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.17.

Cryptovalsa

17133, *Fagus sylvatica*, stick, woodland, Site: St Catherines Park, O022357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.37.

Orbiliaceae***Orbilia***

16982, log, woodland, Site: St Catherines Park, O026352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 17.

Orbilia sarraziniana

16971, wood, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 13b. 'Lightning tree' across track. Ivy, Hazel and Sycamore also.

Lecanorales**Lecanoraceae*****Lecanora chlarotera***

17142, *Fagus sylvatica*, bark, path, Site: St Catherines Park, O023350, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.41.

16936, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

16924, *Quercus robur*, twigs, riverside trees, Site: St Catherines Park, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

Lecanora conizaeoides

16912, *Alnus glutinosa*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6. Twig on ground. Beech and Hawthorn Ivy and Ivy Broomrape also.

16902, *Fraxinus excelsior*, bark, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 5. Near Oak and Ivy broomrape.

16937, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

Lecanora dispersa f. dispersa

as *Lecanora dispersa*, 16879, tar on pipes, over river, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 1. Exposed asbestos cladding on pipes across river.

as *Lecanora dispersa*, 16935, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

Lecidella elaeochroma f. elaeochroma

as *Lecidella elaeochroma*, 16910, *Alnus glutinosa*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 6. Twig on ground. Beech and Hawthorn Ivy and Ivy Broomrape also.

as *Lecidella elaeochroma*, 17141, *Fagus sylvatica*, bark, path, Site: St Catherines Park, O023350, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.41.

as *Lecidella elaeochroma*, 16901, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 5. Near Oak and Ivy broomrape.

Lecidella elaeochroma f. soralifera

16939, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

Parmeliaceae***Evernia prunastri***

16894, *Acer pseudoplatanus*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 4.

16906, *Salix viminalis*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 5b.

Hypogymnia physodes

16909, *Alnus glutinosa*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6. Twig on ground. Beech and Hawthorn also.

17009, *Fraxinus excelsior*, twigs, parkland & scattered trees, Site: St Catherines Park, O016361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.21. Fallen stick on path to holy wells.

Melanelia subaurifera

16941, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

16916, *Quercus robur*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

16908, *Salix viminalis*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 5b.

Parmelia sulcata

16892, *Acer pseudoplatanus*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 4.

16914, *Alnus glutinosa*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6. Twig on ground. Beech and Hawthorn Ivy and Ivy Broomrape also.

16919, *Quercus robur*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

16907, *Salix viminalis*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 5b.

Parmotrema chinense

as *Parmotrema perlatum*, 17010, *Fraxinus excelsior*, twigs, parkland & scattered trees, Site: St Catherines Park, O016361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.21. Fallen stick on path to holy wells.

Punctelia subrudecta

16920, *Quercus robur*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

Physciaceae***Diploicia canescens***

16898, *Acer pseudoplatanus*, bark, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 4.

Hyperphyscia adglutinata

16895, *Acer pseudoplatanus*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 4.

Physcia adscendens

16897, *Acer pseudoplatanus*, bark, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 4.

16896, *Acer pseudoplatanus*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 4.

Physcia tenella

16933, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

16900, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 5. Near Oak and Ivy broomrape.

16921, *Quercus robur*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

16944, *Rosa*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

16905, *Salix viminalis*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 5b.

Ramalinaceae***Ramalina farinacea***

16915, *Alnus glutinosa*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6. Twig on ground. Beech and Hawthorn Ivy and Ivy Broomrape also.

16938, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

16923, *Quercus robur*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

Ramalina fastigiata

16891, *Acer pseudoplatanus*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 4.

Ostropales**Graphidaceae*****Graphis scripta***

17104, *Fraxinus excelsior*, bark, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.26. Girth c. 2.5 m.

Peltigerales**Peltigeraceae*****Peltigera lactucifolia***

16974, soil, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 13b. 'Lightning tree' across track. Ivy, Hazel and Sycamore also.

Pezizales**Helvellaceae*****Helvella crispa***

17108, *Symphoricarpos racemosus*, soil, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.28.

Pezizaceae***Peziza badia***

17020, *Fagus sylvatica*, soil, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.27. Sycamore also.

17105, *Populus alba*, ground, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.27. Snowberry also.

Pyrenulales

Pyrenulaceae

Pyrenula macrospora

17125, *Fraxinus excelsior*, bark, woodland, Site: St Catherines Park, O022356, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.33. Ivy also.

17102, *Fraxinus excelsior*, bark, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.26. Girth c. 2.5 m.

Rhytismatales

Rhytismataceae

Rhytisma acerinum

16890, *Acer pseudoplatanus*, leaves, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 4.

17123, *Acer pseudoplatanus*, leaves, woodland, Site: St Catherines Park, O023353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.32. Beech also.

Teloschistales

Teloschistaceae

Caloplaca flavescens

17052, limestone, wall, Site: St Catherines Park, O016362, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.7.

Xanthoria parietina

16893, *Acer pseudoplatanus*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 4.

16899, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 5. Near Oak and Ivy broomrape.

16942, *Fraxinus excelsior*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 7b. Alder also.

16945, *Rosa*, twigs, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7b. Alder also.

16904, *Salix viminalis*, twigs, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 5b.

Xylariales

Diatrypaceae

Diatrype disciformis

17072, *Fagus sylvatica*, log, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.18.

Xylariaceae

Biscogniauxia nummularia

as *Hypoxylon nummularium*, 16955, *Fagus sylvatica*, wood, riverside trees, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 10. Log of wood.

Hypoxylon fuscum

17040, *Corylus avellana*, wood, woodland, Site: St Catherines Park, O021360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.3. Dead tree.

16960, *Corylus avellana*, wood, woodland, Site: St Catherines Park, O021359, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 11. By river. Ivy also.

17056, *Corylus avellana*, wood, woodland, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.12.

Kretzschmaria deusta

as *Ustulina deusta*, 16954, *Fagus sylvatica*, wood, riverside trees, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Howard Fox, 23/08/2006, Notes: Stop 10. Log of wood.

Xylaria longipes

17081, *Fagus sylvatica*, dead tree, woodland, Site: St Catherines Park, O022353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.20.

Xylaria polymorpha

17041, *Acer pseudoplatanus*, log, woodland, Site: St Catherines Park, O020360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 19/09/2006, Notes: Stop 3.4. Ivy.

17089, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.21. Sycamore and Ash also.

17025, *Fagus sylvatica*, wood, riverside wood, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.30. By culvert.

Taphrinomycetes

Taphrinales

Taphrinaceae

Taphrina amentorum

as *Taphrina alni*, 16884, *Alnus glutinosa*, fruits, riverside trees, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 3. Wild angelica also.

Basidiomycota**Basidiomycetes****Agaricales****Agaricaceae*****Agaricus***

17073, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O022353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.19. By weir.

16997, *Sambucus nigra*, soil, woodland, Site: St Catherines Park, O019361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.10 By wall.

Agaricus campestris

16889, *Alnus glutinosa*, soil, riverside trees, Site: St Catherines Park, O017357, O017357, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 3. Wild angelica and Grasses also.

17036, *Grasses*, soil, riverside wood, Site: St Catherines Park, O027352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.35. By deep drains.

16989, *Ilex aquifolium*, wood, woodland, Site: St Catherines Park, O021360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.5.

17001, *Sambucus nigra*, soil, woodland, Site: St Catherines Park, O018360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.13. With Nettles and *Picea sitchensis*.

17004, *Sambucus nigra*, soil, woodland, Site: St Catherines Park, O018360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.15 with *Picea sitchensis* and *Rosa* sp..

Agaricus silvicola

17045, *Picea sitchensis*, soil, forest, Site: St Catherines Park, O018360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.5b. At top of plantation.

Agaricus xanthodermus* var. *xanthodermus

as *Agaricus xanthodermus*, 17135, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O022358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.38. Near Hawthorn inside triangular fence with *Viburnum opulus*.

as *Agaricus xanthodermus*, 17119, *Ilex aquifolium*, soil, woodland, Site: St Catherines Park, O023353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.32. Beech also.

as *Agaricus xanthodermus*, 17007, *Picea sitchensis*, soil, woodland, Site: St Catherines Park, O019360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.17.

Lepiota castanea

17083, *Fagus sylvatica*, dead tree, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.21. Sycamore and Ash also.

Lepiota cristata

17059, soil, riverside wood, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.13.

17031, *Acer pseudoplatanus*, soil, riverside wood, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.34. Ash, Beech, Oak, Poplar and Snowberry also.

17019, *Fagus sylvatica*, wood, riverside wood, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.26. Sycamore also.

17021, *Fagus sylvatica*, soil, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.27. Sycamore also.

Macrolepiota procera

16990, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O020360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.6. Sitka Spruce forestry nearby.

17111, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.31.

Macrolepiota rhacodes* var. *rhacodes

as *Macrolepiota rhacodes*, 17047, *Picea sitchensis*, stump, forest, Site: St Catherines Park, O018360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.5b. Elder also.

as *Macrolepiota rhacodes*, 17043, *Picea sitchensis*, soil, woodland, Site: St Catherines Park, O020360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.5.

as *Macrolepiota rhacodes*, 17002, *Sambucus nigra*, soil, woodland, Site: St Catherines Park, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.14 with *Picea sitchensis* and *Rubus fruticosus* agg..

Melanophyllum eyrei

16964, *Fraxinus excelsior*, soil, woodland, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 12. By river. Ivy, Hazel and Sycamore also. New to Dublin.

Melanophyllum haematospermum

as *Melanophyllum echinatum*, 17023, *Fagus sylvatica*, soil, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.28. New to Dublin.

Bolbitiaceae***Agrocybe praecox***

16931, *Grasses*, soil, lawn, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 7.

16928, *Grasses*, soil, lawn, Site: St Catherines Park, O017358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 7.

Hebeloma sacchariolum

17014, *Grasses*, soil, lawn, Site: St Catherines Park, O017358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.24.

Naucoria escharoides

17013, soil, woodland, Site: St Catherines Park, O017360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.23. Bank of trees between park and water treatment plant.

16883, *Alnus glutinosa*, soil, riverside trees, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 2. Beech and Butterbur also.

16887, *Alnus glutinosa*, soil, riverside trees, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 3. Wild angelica also.

Panaeolina foenisecii

17015, *Grasses*, soil, lawn, Site: St Catherines Park, O017358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.24.

17140, *Grasses*, soil, path, Site: St Catherines Park, O023350, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.41.

16932, *Grasses*, soil, lawn, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 7.

17053, *Grasses*, soil, lawn, Site: St Catherines Park, O017351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.9.

16929, *Grasses*, soil, lawn, Site: St Catherines Park, O017358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 7.

Clavariaceae

Clavaria fragilis

as *Clavaria vermicularis*, 17127, *Fraxinus excelsior*, soil, woodland, Site: St Catherines Park, O022356, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.33. Ivy also.

Clavulinopsis corniculata

16999, *Picea sitchensis*, wood, woodland, Site: St Catherines Park, O019361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.12.

Clavulinopsis helvola

17033, *Acer pseudoplatanus*, soil, riverside wood, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.34. Ash, Beech, Oak, Poplar and Snowberry also.

17107, *Populus alba*, ground, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.27. Snowberry also.

Coprinaceae

Coprinus disseminatus

17026, wood, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.31. Sasa nearby.

16956, *Fagus sylvatica*, roots, riverside trees, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 10. By drain to river.

Coprinus plicatilis

16886, *Alnus glutinosa*, soil, riverside trees, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 3. Wild angelica also.

16880, *Alnus glutinosa*, soil, riverside trees, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 2. Beech and Butterbur also.

16948, *Grass*, soil, lawn, Site: St Catherines Park, O019358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 9.

Psathyrella

16930, *Grasses*, soil, lawn, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 7.

16927, *Grasses*, soil, lawn, Site: St Catherines Park, O017358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 7.

17049, *Grasses*, soil, ditch, Site: St Catherines Park, O020360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.6.

Psathyrella candolleana

16885, *Alnus glutinosa*, soil, riverside trees, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 3. Wild angelica also.

17128, *Crataegus monogyna*, soil, woodland, Site: St Catherines Park, O022356, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.34.

17124, *Ilex aquifolium*, leaves, woodland, Site: St Catherines Park, O023353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.32. Beech also.

Psathyrella microrrhiza

16882, *Alnus glutinosa*, soil, riverside trees, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 2. Beech and Butterbur also.

Cortinariaceae

Cortinarius

17095, wood, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.23 Lightning tree.

17074, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O022353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.19. By weir.

Cortinarius pinicola

16994, *Picea sitchensis*, soil, woodland, Site: St Catherines Park, O019361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.8. Top of conifer plantation. Nettles and Brambles also.

Galerina

16888, *Alnus glutinosa*, soil, riverside trees, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 3. Wild angelica and Grasses also.

Inocybe

17087, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.21. Sycamore and Ash also.

17090, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.22. Dry canal with Poplar, Sycamore, Oak, Elm and Ash also.

Inocybe geophylla* var. *ilacina

17030, *Acer pseudoplatanus*, soil, riverside wood, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.34. Ash, Beech, Oak, Poplar and Snowberry also.

17082, *Fagus sylvatica*, dead tree, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.21. Sycamore and Ash also.

Inocybe godeyi

17008, *Fagus sylvatica*, soil, parkland & scattered trees, Site: St Catherines Park, O018359, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.18.

Inocybe rimosa* var. *rimosa

as *Inocybe fastigiata*, 17027, wood, riverside wood, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.32. Near 'lightning tree'.

as *Inocybe fastigiata*, 17037, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O021360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.1. Near ruined house. Sycamore, Laurel, Holly and Ivy also.

as *Inocybe fastigiata*, 17097, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.24. Near Lightning tree.

Entolomataceae***Entoloma rhodopolium***

as *Entoloma nidorosum*, 16979, soil, woodland, Site: St Catherines Park, O027352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 15. Deep ditches at end of park.

as *Entoloma nidorosum*, 17062, *Coniferae*, soil, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.15. Hazel and Ash also.

as *Entoloma nidorosum*, 17024, *Fagus sylvatica*, soil, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.29. Sycamore also.

as *Entoloma nidorosum*, 17086, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.21. Sycamore and Ash also.

as *Entoloma nidorosum*, 17093, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.22. Dry canal with Poplar, Sycamore, Oak, Elm and Ash also.

as *Entoloma nidorosum*, 17086, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.21. Sycamore and Ash also.

as *Entoloma nidorosum*, 17024, *Fagus sylvatica*, soil, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.29. Sycamore also.

Entoloma sericeum

16947, *Grass*, soil, lawn, Site: St Catherines Park, O019358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 9.

16950, *Grass*, soil, lawn, Site: St Catherines Park, O020359, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 9.

Fistulinaceae***Fistulina hepatica***

17011, *Quercus*, trunk bole, woodland, Site: St Catherines Park, O016361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.22. Old tree behind wall at corner opposite buildings.

Hydnangiaceae***Laccaria laccata***

17091, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.22. Dry canal with Poplar, Sycamore, Oak, Elm and Ash also.

Lycoperdaceae***Lycoperdon perlatum***

17076, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O022353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.19. By weir.

17085, *Fagus sylvatica*, stump, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.21. Sycamore and Ash also.

16995, *Picea sitchensis*, soil, woodland, Site: St Catherines Park, O018361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.9. Near top edge of plantation.

17055, *Quercus*, log, woodland, Site: St Catherines Park, O022357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.11 by track.

Lycoperdon pyriforme

17084, *Fagus sylvatica*, stump, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.21. Sycamore and Ash also.

17122, *Ilex aquifolium*, soil, woodland, Site: St Catherines Park, O023353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.32. Beech also.

17044, *Picea sitchensis*, soil, forest, Site: St Catherines Park, O018360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.5b. At top of plantation.

16975, *Symphoricarpos racemosus*, soil, woodland, Site: St Catherines Park, O026352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 14.

Marasmiaceae***Armillaria mellea***

16972, wood, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 13b. 'Lightning tree' across track. Ivy, Hazel and Sycamore also.

17075, *Fagus sylvatica*, log, woodland, Site: St Catherines Park, O022353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.19. By weir.

17130, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O022357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.36. Birch and Elm also.

17137, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O022359, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.39. Ivy also, near Birch and path.

17121, *Ilex aquifolium*, wood, woodland, Site: St Catherines Park, O023353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.32. Beech also.

17129, *Taxus baccata*, wood, woodland, Site: St Catherines Park, O022356, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.35.

Marasmius graminum

16925, *Quercus robur*, wood, riverside trees, Site: St Catherines Park, O018358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 6b. Young tree with Ivy.

Marasmius rotula

16973, wood, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 13b. 'Lightning tree' across track. Ivy, Hazel and Sycamore also.

16959, *Acer pseudoplatanus*, wood, woodland, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 11. By river. Ivy also.

16984, *Fagus sylvatica*, old wood, woodland, Site: St Catherines Park, O022360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.1. Holly and Laurel also.

17018, *Fagus sylvatica*, wood, riverside wood, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.26. Sycamore also.

17058, *Fraxinus excelsior*, log, riverside wood, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.12.

16998, *Picea sitchensis*, soil, woodland, Site: St Catherines Park, O019361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.11.

Nidulariaceae***Cyathus striatus***

16969, wood, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 13. By river track near Sasa. Ivy, Hazel and Sycamore also.

17069, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.18.

17088, *Fagus sylvatica*, log, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.21. Sycamore and Ash also.

Pluteaceae***Pluteus***

16977, *Symphoricarpos racemosus*, soil, woodland, Site: St Catherines Park, O026352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 14.

Pluteus cervinus

17094, wood, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.23 Lightning tree.

16953, *Fagus sylvatica*, wood, riverside trees, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 10. Log.

17110, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.31. Holly also.

17054, *Quercus*, log, woodland, Site: St Catherines Park, O022357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.11 by track.

Strophariaceae***Hypholoma fasciculare***

17063, *Fagus sylvatica*, wood, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.15. Hazel and Ash also.

17080, *Fagus sylvatica*, dead tree, woodland, Site: St Catherines Park, O022353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.20.

Kuehneromyces mutabilis

17064, *Fagus sylvatica*, log, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.16.

Tricholomataceae***Clitocybe nebularis***

17113, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.31.

Collybia

17029, *Acer pseudoplatanus*, soil, riverside wood, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.34. Ash, Beech, Oak, Poplar and Snowberry also.

16968, *Sambucus nigra*, soil, woodland, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 12. By river. Ivy, Hazel and Sycamore also.

Collybia confluens

17060, *Acer pseudoplatanus*, soil, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.14. Hazel and Ash also.

17098, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.25.

Cystoderma carcharias

16966, Doubtful record, *Fraxinus excelsior*, soil, woodland, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 12. By river. Ivy, Hazel and Sycamore also.

Hygrocybe

17032, *Acer pseudoplatanus*, soil, riverside wood, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.34. Ash, Beech, Oak, Poplar and Snowberry also.

Mycena

17065, *Fagus sylvatica*, log, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.16.

17022, *Fagus sylvatica*, soil, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.27. Sycamore also.

17106, *Populus alba*, ground, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.27. Snowberry also.

Mycena acicula

16881, *Alnus glutinosa*, soil, riverside trees, Site: St Catherines Park, O017357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 2. Beech and Butterbur also.

Mycena filopes

16992, *Picea sitchensis*, soil, woodland, Site: St Catherines Park, O019360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.7.

Mycena pura* var. *pura

as *Mycena pura*, 17112, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.31.

as *Mycena pura*, 17120, *Ilex aquifolium*, soil, woodland, Site: St Catherines Park, O023353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.32. Beech also.

as *Mycena pura*, 17000, *Picea sitchensis*, soil, woodland, Site: St Catherines Park, O019361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.12.

Mycena speirea

16965, *Fraxinus excelsior*, soil, woodland, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 12. By river near burrows. Ivy, Hazel and Sycamore also.

Rhodotus palmatus

16991, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O020360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.6. Sitka Spruce forestry nearby.

Tricholoma sejunctum

17077, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O022353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.19. By weir.

Tricholoma ustale

17078, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O022353, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.19. By weir.

Auriculariales**Auriculariaceae*****Auricularia auricula-judae***

17042, *Acer pseudoplatanus*, wood, woodland, Site: St Catherines Park, O020360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.4. Ivy.

17134, *Fagus sylvatica*, stick, woodland, Site: St Catherines Park, O022358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.38. Near Hawthorn inside triangular fence with *Viburnum opulus*.

17116, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.31.

16967, *Sambucus nigra*, bark, woodland, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 12. By river. Ivy, Hazel and Sycamore also.

16996, *Sambucus nigra*, wood, woodland, Site: St Catherines Park, O019361, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.10 By wall.

17050, *Sambucus nigra*, bark, woodland, Site: St Catherines Park, O016362, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.7.

16961, *Sambucus nigra*, bark, woodland, Site: St Catherines Park, O021359, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 11. By river. Ivy also.

Auricularia mesenterica

16981, wet log, woodland, Site: St Catherines Park, O027352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 16 by ditch.

Boletales**Boletaceae*****Xerocomus chrysenteron***

16988, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O021360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.4.

Cantharellales**Clavulinaceae*****Clavulina coralloides***

as *Clavulina cristata*, 17005, *Picea sitchensis*, lignum, woodland, Site: St Catherines Park, O018360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.16. On ground.

Dacrymycetales**Dacrymycetaceae*****Dacrymyces stillatus***

17006, *Picea sitchensis*, lignum, woodland, Site: St Catherines Park, O018360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.16.

Hymenochaetales**Hymenochaetaceae*****Hymenochaete corrugata***

17527, *Corylus avellana*, bark, woodland, Site: St Catherines Park, O021359, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 28/08/2006, Notes: Stop 11, near River Liffey.

Schizoporaceae***Hyphodontia sambuci***

17048, *Sambucus nigra*, bark, forest, Site: St Catherines Park, O018360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.5b.

Polyporales**Fomitopsidaceae*****Piptoporus betulinus***

17118, *Betula*, wood, woodland, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.31.

Postia caesia

17109, *Fagus sylvatica*, soil, woodland, Site: St Catherines Park, O025351, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.29.

16985, *Fagus sylvatica*, old wood, woodland, Site: St Catherines Park, O021360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.2. Holly and Laurel also.

17046, *Picea sitchensis*, stump, forest, Site: St Catherines Park, O018360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.5b.

Postia stipitica

17061, wood, riverside wood, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.14. Hazel and Ash also.

17117, *Ilex aquifolium*, wood, woodland, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.31.

Ganodermataceae

Ganoderma applanatum

16952, *Fagus sylvatica*, wood, riverside trees, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 10. Log of wood.

16957, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 11. By river.

Meruliaceae

Mycoacia uda

17071, *Fagus sylvatica*, log, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.18.

Polyporaceae

Polyporus leptoccephalus

as *Polyporus varius*, 16987, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O021360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.3. Behind buildings.

Polyporus squamosus

17138, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O022359, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.39. Ivy also, near Birch and path.

17114, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O024352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.31.

16962, *Fraxinus excelsior*, wood, woodland, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 23/08/2006, Notes: Stop 12. By river. Specimen rotting down. Ivy also.

Trametes versicolor

17038, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O021360, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.1. Near ruined house. Sycamore, Laurel, Holly and Ivy also.

17136, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O022359, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.39. Ivy also, near Birch and path.

17139, *Fagus sylvatica*, stump, woodland, Site: St Catherines Park, O023350, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.40. Near ruined house.

Thelephorales

Thelephoraceae

Thelephora penicillata

as *Thelephora spiculosa*, 16978, *Symphoricarpos racemosus*, soil, woodland, Site: St Catherines Park, O026352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 14.

Tremellales

Exidiaceae

Exidia thuretiana

17131, *Fagus sylvatica*, stick, woodland, Site: St Catherines Park, O022357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.37.

Tremellaceae

Tremella mesenterica

17016, *Fagus sylvatica*, wood, riverside wood, Site: St Catherines Park, O021357, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, 06/09/2006, Notes: Stop 2.25. Corner of lawn by wood path.

17057, *Fraxinus excelsior*, log, woodland, Site: St Catherines Park, O021355, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.12. On ground.

Urediniomycetes

Uredinales

Coleosporiaceae

Coleosporium tussilaginis

16946, *Petasites hybridus*, leaves, riverside trees, Site: St Catherines Park, O020358, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 8. Larch on opposite bank.

Myxomycota

Myxomycetes

Liceales

Reticulariaceae

Lycogala epidendrum

17096, wood, woodland, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.23 Lightning tree.

17070, *Fagus sylvatica*, wood, woodland, Site: St Catherines Park, O021354, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 19/09/2006, Notes: Stop 3.18.

17028, *Tree*, wood, riverside wood, Site: St Catherines Park, O023352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 06/09/2006, Notes: Stop 2.32. 'lightning tree'.

Stemonitales

Stemonitidaceae

Stemonitis fusca* var. *fusca

16983, log, woodland, Site: St Catherines Park, O026352, Dublin, Col.: Maria Cullen, Det.: Maria Cullen, Conf.: Howard Fox, 23/08/2006, Notes: Stop 17.

266 records, 126 species.

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Parmotrema perlatum - (= *Parmotrema chinense*), Ascomycota, Ascomycetes, Lecanorales, Parmeliaceae.
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Peziza badia - Ascomycota, Ascomycetes, Pezizales, Pezizaceae.
Phoma samararum - Anamorphic fungi, coelomycetous anamorph.
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Pyrenula macrospora - Ascomycota, Ascomycetes, Pyrenulales, Pyrenulaceae.
Ramalina farinacea - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
Ramalina fastigiata - Ascomycota, Ascomycetes, Lecanorales, Ramalinaceae.
Rhodotus palmatus - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Rhynchosporium - Anamorphic fungi, hyphomycetous anamorph.
Rhytisma acerinum - Ascomycota, Ascomycetes, Rhytismatales, Rhytismataceae.
Schismatomma cretaceum - Ascomycota, Ascomycetes, Arthoniales, Roccellaceae.
Stemonitis fusca var. *fusca* - Myxomycota, Myxomycetes, Stemonitales, Stemonitidaceae.
Taphrina alni - (= *Taphrina amentorum*), Ascomycota, Taphrinomycetes, Taphrinales, Taphrinaceae.
Taphrina amentorum - Ascomycota, Taphrinomycetes, Taphrinales, Taphrinaceae.
Thelephora penicillata - Basidiomycota, Basidiomycetes, Thelephorales, Thelephoraceae.
Thelephora spiculosa - (= *Thelephora penicillata*), Basidiomycota, Basidiomycetes, Thelephorales, Thelephoraceae.
Trametes versicolor - Basidiomycota, Basidiomycetes, Polyporales, Polyporaceae.
Tremella mesenterica - Basidiomycota, Basidiomycetes, Tremellales, Tremellaceae.
Tricholoma sejunctum - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Tricholoma ustale - Basidiomycota, Basidiomycetes, Agaricales, Tricholomataceae.
Trochila ilicina - Ascomycota, Ascomycetes, Helotiales, Dermateaceae.
Ustulina deusta - (= *Kretzschmaria deusta*), Ascomycota, Ascomycetes, Xylariales, Xylariaceae.
Xanthoria parietina - Ascomycota, Ascomycetes, Teloschistales, Teloschistaceae.
Xerocomus chrysenteron - Basidiomycota, Basidiomycetes, Boletales, Boletaceae.
Xylaria longipes - Ascomycota, Ascomycetes, Xylariales, Xylariaceae.
Xylaria polymorpha - Ascomycota, Ascomycetes, Xylariales, Xylariaceae.

Associated Organism Index

Acer pseudoplatanus

Auricularia auricula-judae, Clavulinopsis helvola, Collybia, Collybia confluens, Diploicia canescens, Evernia prunastri, Hygrocybe, Hyperphyscia adglutinata, Inocybe geophylla var. lilacina, Lepiota cristata, Marasmius rotula, Nectria cinnabarina, Parmelia sulcata, Physcia adscendens, Ramalina fastigiata, Rhytisma acerinum, Xanthoria parietina, Xylaria polymorpha.

Agrostis

Rhynchosporium.

Alnus glutinosa

Agaricus campestris, Arthonia radiata, Coprinus plicatilis, Galerina, Hypogymnia physodes, Lecanora conizaeoides, Lecidella elaeochroma f. elaeochroma, Lepraria incana, Mycena acicula, Naucoria escharoides, Parmelia sulcata, Psathyrella candolleana, Psathyrella microrrhiza, Ramalina farinacea, Taphrina amentorum.

Betula

Piptoporus betulinus.

Coniferae

Entoloma rhodopolium.

Corylus avellana

Hymenochaete corrugata, Hypoxylon fuscum.

Crataegus monogyna

Opegrapha atra, Psathyrella candolleana.

Fagus sylvatica

Agaricus, Agaricus xanthodermus var. xanthodermus, Armillaria mellea, Auricularia auricula-judae, Biscogniauxia nummularia, Clitocybe nebularis, Collybia confluens, Coprinus disseminatus, Cortinarius, Cryptovalsa, Cyathus striatus, Diatrype disciformis, Entoloma rhodopolium, Exidia thuretiana, Ganoderma applanatum, Hymenoscyphus fructigenus, Hypholoma fasciculare, Inocybe, Inocybe geophylla var. lilacina, Inocybe godeyi, Inocybe rimosa var. rimosa, Kretzschmaria deusta, Kuehneromyces mutabilis, Laccaria laccata, Lecanora chlarotera, Lecidella elaeochroma f. elaeochroma, Lepiota castanea, Lepiota cristata, Lepraria incana, Lycogala epidendrum, Lycoperdon perlatum, Lycoperdon pyriforme, Macrolepiota procera, Marasmius rotula, Melanophyllum haematospermum, Mycena, Mycena pura var. pura, Mycoacia uda, Nectria cinnabarina, Opegrapha vulgata, Peziza badia, Phoma samararum, Pluteus cervinus, Polyporus leptoccephalus, Polyporus squamosus, Postia caesia, Rhodotus palmatus, Trametes versicolor, Tremella mesenterica, Tricholoma sejunctum, Tricholoma ustale, Xerocomus chrysenteron, Xylaria longipes, Xylaria polymorpha.

Fraxinus excelsior

Arthonia radiata, Clavaria fragilis, Cystoderma carcharias, Enterographa crassa, Graphis scripta, Hypogymnia physodes, Lecanora chlarotera, Lecanora conizaeoides, Lecanora dispersa f. dispersa, Lecidella elaeochroma f. elaeochroma, Lecidella elaeochroma f. soralifera, Lepraria incana, Marasmius rotula, Melanella subaurifera, Melanophyllum eyrei, Mycena speirea, Opegrapha atra, Opegrapha varia, Parmotrema chinense, Physcia tenella, Polyporus squamosus, Pyrenula macrospora, Ramalina farinacea, Tremella mesenterica, Xanthoria parietina.

Grass

Coprinus plicatilis, Entoloma sericeum.

Grasses

Agaricus campestris, Agrocybe praecox, Hebeloma sacchariolens, Panaeolina foenicisecii, Psathyrella.

Heracleum sphondylium

Erysiphe heraclei.

Ilex aquifolium

Agaricus campestris, Agaricus xanthodermus var. xanthodermus, Armillaria mellea, Lycoperdon pyriforme, Mycena pura var. pura, Postia stiptica, Psathyrella candolleana, Trochila ilicina.

Petasites hybridus

Coleosporium tussilaginis.

Picea sitchensis

Agaricus silvicola, Agaricus xanthodermus var. xanthodermus, Clavulina coralloides, Clavulinopsis corniculata, Cortinarius pinicola, Dacrymyces stillatus, Lycoperdon perlatum, Lycoperdon pyriforme, Macrolepiota rhacodes var. rhacodes, Marasmius rotula, Mycena filopes, Mycena pura var. pura, Postia caesia.

Populus alba

Clavulinopsis helvola, Mycena, Peziza badia.

Quercus

Fistulina hepatica, Lycoperdon perlatum, Pluteus cervinus, Schismatomma cretaceum.

Quercus robur

Arthonia radiata, Lecanora chlarotera, Lepraria incana, Marasmius graminum, Melanella subaurifera, Opegrapha vulgata, Parmelia sulcata, Physcia tenella, Punctelia subrudecta, Ramalina farinacea.

Rosa

Physcia tenella, Xanthoria parietina.

Salix viminalis

Evernia prunastri, Melanella subaurifera, Parmelia sulcata, Physcia tenella, Xanthoria parietina.

Sambucus nigra

Agaricus, Agaricus campestris, Auricularia auricula-judae, Collybia, Hyphodontia sambuci, Macrolepiota rhacodes var. rhacodes, Nectria cinnabarina.

Symphoricarpos racemosus


Helvella crispa, Lycoperdon pyriforme, Mycena galericulata var. galericulata, Pluteus, Thelephora penicillata.

Taxus baccata

Armillaria mellea.

Tree

Lycogala epidendrum,



Amanita muscaria (Fly Agaric)
Photographed at Howth, 2006. Maria Cullen