Appendix 7.21: Fungi Survey Report

Hampstead Heath-Dam Project
Fungi Survey Report
2013

By
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Contents

V Executive Summary

1.0 INTRODUCTION & HISTORICAL CONTEXT……**ii**

Current Status……..**ii**

2.0 Fungal Modes & Habitat…..……**1**

3.0 Method……..**2**

4.0 Areas of particular note & future potential.……**5**

4.1 Compartment 517 – 521 – Vale of Health and environs…… **5**

4.2 Compartment 1,137 – Hornbeam & Lime……..……..**5**

4.3 Compartments containing woodand……. ……**5**

4.4 All grassland areas……..…..**5**

4.5 All compartments containing fallen or standing dead wood.……**6**

4.6 Compartments containing open water, ponds, streams or brooks……..**6**

5.0 Results and Species of particular note……**6**-**7**

5.1 *Russula rhodomelanea.*……**8**

5.2 *Cortinarius urbicus*…..……**8**

5.3 *Inocybe appendiculata*…..……**9**

5.4 *Echinoderma echinacea*.……**9**

5.5 *Russula farinipes*..……**10**

5.6 *Xerocomellus bubalinus*.……..**10**

5.7 *Leccinum duriusculum*…..……**11**

5.8 *Leccinum crocipodium.*…..……**11**

5.9 *Lactarius circellatus*……**12**

5.10 *Lactarius fulvissimus*.……**12**

5.11 *Pluteus umbrosus*……..…..……**13**

5.12 *Ramaria stricta*…….……**13**

5.13 *Rubinoboletus rubinus*……..……**14**

5.14 *Cortinarius saturninus*.....**14**

5.15 *Agrocybe cylindracea*.....**15**

5.16 *Leotia lubrica*.....**15**

5.17 *Agaricus cappellianus*.....**16**

6.0 Recommendations.....**17**

6.1 Damage from Dam Works.....**17**

6.2 Grassland.....**17**

6.3 Sycamore, Bramble & Honey Fungus.....**17**

6.4 Biodiversity Action Plans.....**17**

7.0 Conclusion.....**18**

FIGURES

Biological Recording Map
Figure 1 & 1b Hampstead Pond Chain.....**2 & 3**

Biological Recording Map
Figure 2 & 2b Highgate Pond Chain.....**3 & 4**

Figure 3 Map of areas likely to be damaged by Dam Works.....**4**

Figure 4 *Russula rhodomelanea*.....**8**

Figure 5 *Cortinarius urbicus*.....**8**

Figure 6 *Inocybe appendiculata*.....**9**

Figure 7 *Echinoderma echinaceum*.....**9**

Figure 8 *Russula farinipes*.....**10**

Figure 9 *Xerocomellus bubalinus*.....**10**

Figure 10 *Leccinum durisculum*.....**11**

Figure 11 *Leccinum crocipodium*……**11**

Figure 12 *Lactarius circellatus*……**12**

Figure 13 *Lactarius fulvissimus*……**12**

Figure 14 *Pluteus umbrosus*……**13**

Figure 15 *Rubinoboletus rubinus*……**14**

Figure 16 *Cortinarius saturninus*……..**14**

Figure 17 *Agrocybe cylindracea*……...**15**

Figure 18 *Agaricus cappellianus*……...**16**

APPENDICES

Appendix 1: Species lists and notes for each visit in order of date

Appendix 2: Bibliography

Appendix 3. Acknowledgments

Glossary

BAP – Biodiversity Action Plan

FRDBI – Fungal Records Database of Britain & Ireland

CHEG – Clavulina, Hygrocybe, Entoloma and Geoglossom (scoring system used to ascertain importance of grassland habitats)

Executive Summary

This report was commissioned by Atkins Global on behalf of The City of London as part of an environmental impact survey, to give an appraisal and provide base line information of the larger fungi occurring in and around areas within which, in-depth dam works are to take place.

The survey was carried out from August 27th to November 22nd 2013, initially two visits per month, increasing to three visits during peak fruiting months such as October and November. The survey was carried out in the following areas

1. Upper Fairground, The Vale of Health and environs, heading east to the Hampstead Pond Chain, taking in Lime Avenue en route, heading north-west along and around the ponds. See Fig 1 & 1b.

2. The Highgate Pond Chain heading north to south, east and west of the survey boundaries, from the Stock Pond to Tennis Courts and environs. See Fig 2 & 2b

Identifications were carried out in the field and where necessary collections were made for identification by microscope. Certain 'fungi hotspots' were identified and these are discussed in results. Specimens of rare and unusual species were collected, dried, written up and deposited as voucher specimens at the Fungal Herbarium, Royal Botanic Gardens, Kew.

A total of 251 species were identified from 1,117 records. Most species were what you would expect from the particular areas surveyed and the complex of habitats therein. However the survey also revealed endangered and very rare species, such as *Russula rhodomelanea* and *Cortinarius urbicus*. These and other rare species found are discussed and pictured (in part) in results. Some of these species are red data and as such will need protection, especially if they are situated directly where dam works will have most impact, such as the Vale of Health Pond east margin. Sixteen records are new to Hampstead Heath, four are new to the county of Middlesex. Four red data species were recorded, all species of *Boletus*. Translocation of such species is not an option as this method has not been successfully proven. The grasslands revealed few species, yet habitat surrounding the ponds and much of the wooded area revealed healthy populations among a fairly diverse range of genera and species. These are discussed in the results and recommendations are given to encourage a future presence.

The report concludes that the surveyed areas hold a diverse range of fungal species. These are represented by most genera of the major groups of larger fungi to be expected from the complex of habitats therein. Where species have been identified as of local or national importance, from this or future surveys, these should be given protection under applicable BAP schemes. Some areas such as the eastern boundary of the Vale of Health, Pryor's Flats - Hornbeam and Lime, and a small area with Poplar trees on the north west corner of the East Heath car park, hold either very rare or red date species. Any major influence to the hydrology or any serious habitat destruction as a result of the dam works will affect, if not destroy the larger fungi communities in those areas, impact has to be kept to a minimum to safeguard these habitats. Translocation of any of the red data or rare species is not recommended or really an option as this is at present an unsuccessfully proven method.

REPORT ON THE FUNGI OF HAMPSTEAD HEATH (In Part)
SURVEY CARRIED OUT FROM AUGUST 27TH TO NOVEMBER 22ND 2013.
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1. Introduction & Historical context

Even though this survey concentrated on particular areas considered to be effected by the dam works, namely the Hampstead and Highgate pond chains, it is important to point out that any noticeable change to hydrology will in turn ultimately affect the whole of the Heath's larger fungi. Therefore it is important to have this section of the report cover the Heath as a whole.

Hampstead Heath is situated in North West London and comprises 275 hectares, 230 of which lie within the London Borough of Camden and 45 hectares within the Borough of Barnet. Roads and buildings encompass the Heath. It is currently managed by The City of London.

This is the first, official baseline fungi survey to have been carried out on the Heath.

1.1 **Historically Hampstead Heath has had to endure a fair amount of disturbance during its long 500-year history, most notably from the impact of the two world wars, during which large areas were used for allotments, military use and disposal of rubble. Sand and gravel were heavily extracted from the Heath's higher elevations, in areas such as Sandy Heath. Natural heath land became eroded over the years, as has any acid grassland, with only pockets of each still surviving as a reminder of the past. Woodland only began to return when grazing was halted during the past century. All of these changes would have had an influence/impact on the fungi present on the Heath today.**

All mature Elms trees were lost to Dutch elm disease during the 1970's and many trees were destroyed and decimated by the 1987 and 1990 storms. Importantly, 800 veteran trees have now been identified and young trees are planted every year, along with the creation of wild flower meadows. Dead wood, fallen or standing is now left in situ, something that didn't happen following the 1987 storm. There are more than 30 significant ponds and a sphagnum bog, a rarity in London. Between 1997 and 2013 as leader of the London Fungus Group I have recorded over 500 species of larger fungi from across the Heath, including Kenwood. Now the Heath is a very popular public green space that comes with heavy footfall around which traffic passes, bringing with it its own pollution issues through which trees and fungi will suffer alike.

1.2 Current Status

Hampstead Heath as a whole, excluding the area known as Kenwood, which is owned and managed by English Heritage, has been designated a Site of Metropolitan Importance for Nature Conservation. Green Flag awards have been given since the inception of the award.
Past, present and future surveys on the natural fabric of the Heath should eventually combine to reveal for some areas a statutory designation.

2.0 The Fungal Modes & The Habitat

In order to obtain nutrients, larger fungi are Mycorrhizal, Saprophytic or Parasitic in nature; the latter two modes are combined with some species.

Mushrooms and toadstools can either be called fruitbodies or sporocarps; the main part of the fungus is within the given substrate and is called the mycelium. The mycelium, consisting of cottony, thread-like elements known as hyphae, absorbs nutrients to enable it to produce mushrooms and toadstools. There are three main ways in which fungi obtain nutrients.

Mycorrhizal fungi form a mutual symbiosis via the roots of various trees and shrubs with which they exchange nutrients. These are very important fungi that help maintain healthy trees and woodland. Most of our native trees have this association with fungi; naturalized trees such as Horse Chestnut and Sycamore do not.

Saprophytic fungi feed on dead and dying matter, helping to break down matter and release nutrients back into the soil.

Parasitic fungi take and give nothing in return. Some of these fungi are very destructive, such as *Armillaria mellea* - Honey Fungus or *Meripilus giganteus* the Giant Polypore, the former is parasitic and then saprobic on its host.

The survey was carried in the following areas

1. Upper Fairground, the Vale of Health and environs, heading east to the Hampstead pond chain, taking in Lime Avenue en route, heading north-west along and around the ponds. See figs 1 & 1b

The Upper Fairground situated at around 440ft above sea level and the slightly lower Vale of Health survey areas are partly on free draining Bagshot Sands and as the land slopes eastwards on the survey, the sandy soil merges with clay to form claygate beds; this is where water is forced upward resulting in natural springs. Heading further eastwards the soil becomes London Clay. Trees on this section of the survey are mainly broadleaved deciduous trees, dominated by Oak with Quercus robur being the dominant species there also a few Fagus silvaticus, Beech, Tilia sp, Lime, and Populus sp, Poplar are present, mixed with Sycamore, Horse Chestnut and Plane trees. Making up the shrub layer in the woodland areas are trees such as Silver Birch, Betula pendula, Willow, Salix sp, Corylus avellana, Hazel, Alder, Alnus glutinosa, False Acacia, Robinia pseudoacacia, Ash-Fraxinus excelsior and Sambucus nigra, Elder. There are also a small number of conifer trees, including Pinus sylvestris. Ground flora is mainly dominated by Bramble. Plenty of dead wood, standing and fallen was in evidence.

2. The Highgate Pond Chain heading north to south from Stock Pond and environs, see fig 2 & 2b

The lower Highgate Pond Chain lies predominantly on London Clay merging with claygate beds in places, rising to Bagshot Sand to the North in Highgate Town itself. Here also the trees are deciduous broadleaved trees, such as Oak, Beech, Lime, and Poplar with the understorey much the same as the Hampstead Pond Chain, that of Birch, Willow, Hazel, Ash and Elder. Again where possible, plenty of fallen and standing dead wood is left in situ.

3.0 Method

The survey was carried out from August 27th until November 22nd, therefore providing a good time period that covered the changing, environmental conditions. Two visits per month were allocated for the months in which fewer fungi were to be expected and three visits during October and November during which more fungi were expected to appear. The survey was carried out on a search and record basis.

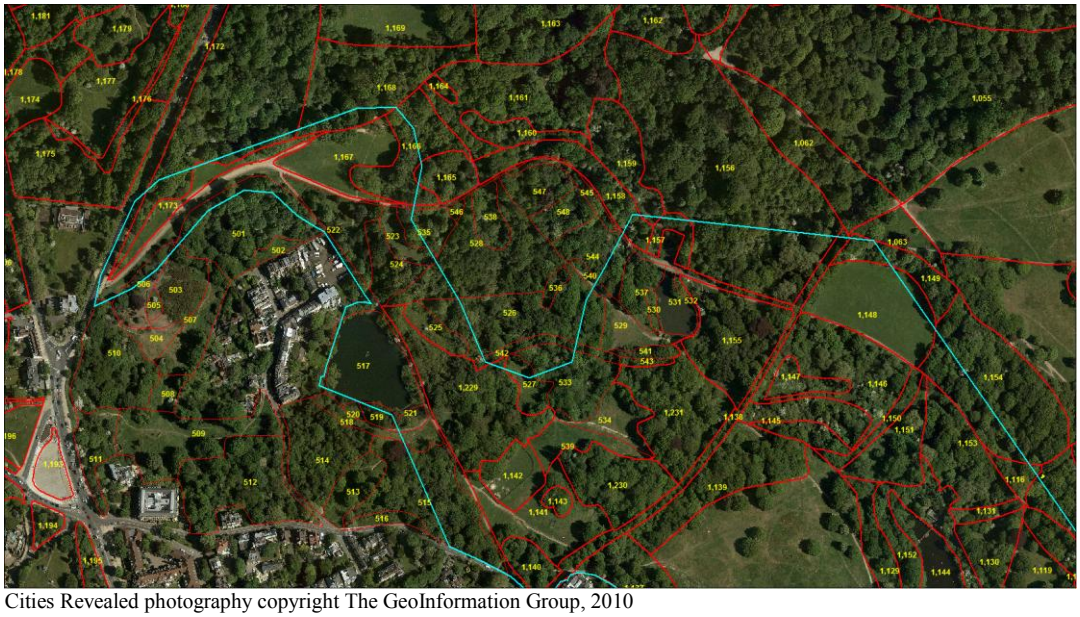
Given the size of the survey areas, one visit per month was allocated to each area. During October and November when three visits per month were made, the third visit would be split between the two areas, covering all compartments of each area during the visits.

When possible, species were named in the field, if not possible, collections were made for identification by microscope. Status and nomenclature criteria used in the accompanying spreadsheet of species recorded, was based upon recent literature listed in the bibliography at the end of the report, in particular the *Checklist of British and Irish Basidiomycota* by Legon and Henrici (2005, published by Kew Gardens). Frequency was given as in the pre-mentioned publication, as Frequent, Infrequent, Occasional, Widespread, Rarely Reported, Rare or Red Data Listed. For the Boletes, reference was also made to the JNCC* 2013 pilot Red List Data List of Fungi for Great Britain: *Boletaceae*. In some instances these entries were modified with qualifiers such as Locally Common. GPS readings were taken for each rare or endangered species for their exact location. Specimens of the rare and unusual species were collected, dried, written up and deposited as voucher specimens at the Fungal Herbarium, Royal Botanic Gardens, Kew.

***Joint Nature Conservation Committee**

Hampstead Pond Chain (Inc. Vale of Health)

Fig 1 & 1b <u>Biological Recording Maps of compartments used for survey</u>



Cities Revealed

Fig. 1b

Fig 2 & 2b
Highgate Pond Chain

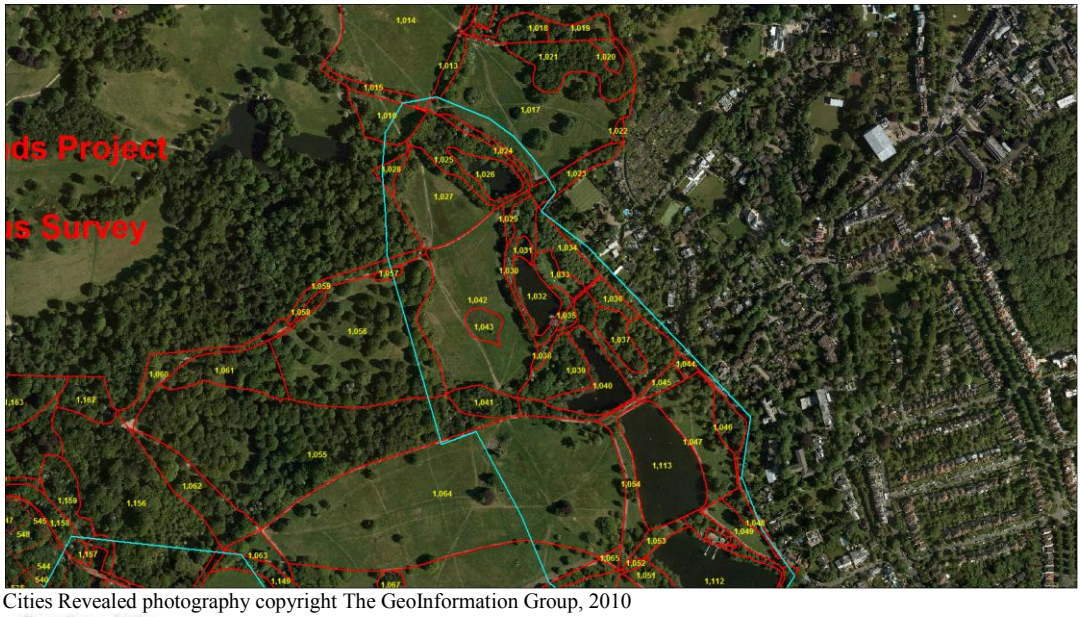


Fig 2b

Areas most likely to be damaged by the dam works

Fig 3.

4.0 Areas of particular note & future potential

4.1. Compartment 517-521 – Vale of Health and environs

Throughout most of the survey, the western slopes of the Hampstead Pond Chain, proved to be the most prolific of the two survey areas. This is not surprising given that these slopes offer free draining, sandy soils and water runoff, a habitat which most terrestrial larger fungi of all types, will prefer, as opposed to the more clayey soils of the lower Highgate chain. Of particular interest are the margins of the Vale of Health Pond. These margins contain old specimens of Willow mixed with Birch on sandy soil and as a result, many mycorrhizal species are associating with these trees, some of which are very rare, such as *Cortinarius urbicus* and *Cortinarius tabularis* both new records to the Heath and to the county of Middlesex. Were these pond margins to be severely affected by the dam works, these and other species would undoubtedly be lost.

4.2. Comp 1,137 – Hornbeam & Lime

The Hornbeam and Lime trees lying directly north east, behind the Pryor's Flats on East Heath Road provide a good habitat for a number of mycorrhizal species. *Lactarius circellatus* pretty much restricted to its host tree, Hornbeam, (it is very occasionally found with Hazel also) was recorded here in large numbers throughout much of the survey. I have in recent years recorded *Russula pseudoaffinis* with the Lime trees of this area, a species that has only been recorded from Hampstead Heath and was new to Britain as recently as 2004. Also the uncommon *Russula farinipes* and the very rare *Inocybe appendiculata* were recorded. There are also interesting species of *Cortinarius* that sporadically fruit in this area as well as the eye catching, *Lactarius fulvissimus*. It is a heavily trodden area, which is resulting in compaction; this will have a detrimental effect on the mycelium of these fungi. Any serious impact form the dam works will only heighten the demise of these and other fungi.

4.3. All Compartments containing woodland areas

The woodland areas covered are dominated by broadleaved deciduous trees such as Oak, *Quercus robur* on acid to neutral soil and the majority of the larger fungi picked up during the survey were common, healthy populations that reflected this habitat type. There was however a few exceptions, compartment 1,153, an area of woodland much like any other in this part of the Heath, produced some very good records. It is sometimes difficult to understand why one area, much like any other, has more diverse fungi species than another. This area is in a dip just off the main path leading up to the Hockey Pitch situated just before the catchment area slightly north of the Mixed Bathing Pond. A lone Hornbeam tree stands surrounded by Oak and other trees, fruiting close to the Hornbeam were, *Russula rhodomelanea*, a red data, mycorrhizal species, new to Middlesex and the Heath, along with the uncommon Bolete, *Leccinum crocopidium* also red data* both fruiting in numbers. Other species were also thriving here, so obviously a hotspot. This area would need to be considered if it were likely that dam works were to overspill into this area.

4.4. All Grassland areas

Very few larger fungi were recorded from the grasslands within the survey areas. Mycena aetites, Mycena oliveceomarginata, Bolbitius titubans, Parasola plicatilis are all common grassland inhabiting species which were picked up on the survey. Grassland species of note such as suites of Clavulinopsis, Hygrocybe, Entoloma and Geoglossum, known as CHEG*, which are used as key indicators in grading the quality of grasslands, were not recorded during the survey.

*** CHEG is a scoring system that is to ascertain the importance of a given piece of grassland, the more species of the genera involved at any one time (visit) the better the grade and importance.**

4.5. All compartments containing fallen or standing dead wood

This type of habitat is crucial for a succession of various types of dead wood specialists across many genera. There is plenty of this habitat type throughout the survey areas and some good records were picked up such as *Coriolopsis gallica, Lenzites betulinus, Postia subcaesia* and more. Unless removed these are unlikely to be affected by the dam works.

4.6. Compartments containing open water, ponds, river, streams or brooks.

As highlighted by The Vale of Health, these areas are of importance to fungi in that many of them will have Alder or Willow nearby as well as Oaks, all good mycorrhizal hosts, these areas among those that will be most affected by the dam works. Apart from the ponds themselves, other water courses within the survey area, such as the Hampstead Stream that runs east to west across the upper pond chain is a case in point with many different species associating with the variable trees that border it. The main ponds along the Hampstead chain revealed very little around their immediate boundaries but much of the areas are inaccessible, due to housing, private swimming or just being fenced off. Records were picked up on the outer margins of the ponds of both Hampstead and Highgate chains, important records of common mycorrhizal species, such as, *Lactarius plumbeus, Amanita rubescens, Paxillus involutus, Laccaria amethystina and Laccaria laccata, Russula plumbeobrunnea, Russula atropurpurea, Russula fragilis* and more. All of the pond margins of each chain will be adversely affected by the dam works, resulting in habitat damage and therefore loss of species. If the damage is light and temporary, it is possible that some species may recover from the initial impact.

5.0 Results and species of particular note.

A total of 253 species from 1,117, records were identified from the two survey areas, between August 27th and November 22nd 2013. 2013 was probably the best year for larger fungi in just under a decade and as a result a higher number of records were made. This was also borne out by the representation of most genera, spread across many different families, which would be expected from an area such as Hampstead Heath and the complex of habitats therein. Sixteen records were new to Hampstead Heath, four records were new to the County of Middlesex and four red data species were recorded, all of the Red Data Species belong to the *Boletaceae* family and were designated so in reference to the recent Joint Nature Conservancy Council publication, UK Fungi- Red Data List – *Boletaceae*.

The 'western slopes' of the Hampstead Heath pond chain, proved to be most fruitful of the survey sites, which included the Vale of Health, south and east pond margins. This comes as no surprise given that the soil in this area is sandy and free draining; most terrestrial, larger fungi prefer this habitat type. Among the species recorded here were the very rare, new site and county records, *Cortinarius urbicus* and *Cortinarius tabularis*, both of which were associating with the Willow and Birch trees on the margin of the pond.

There is distinct contrast between these upper slopes and the more clayey soils of the lower slopes of the Heath, where water is held longer, such as areas around the

Highgate Pond chain and indeed the Hampstead Pond chain, where, as result less species were recorded.

Alongside the Pryor's Flats a small group of Hornbeam and Lime trees offer hosts to a distinct variety of mycorrhizal fungi among which the Hornbeam associate *Lactarius circellatus* thrives with a healthy population. Also recorded here was the rare, *Inocybe appendiculata* and *Russula farinipes* both new records for the Heath.

At the north western corner of the East Heath car park, one of the areas likely to be affected by the dam works, there are a small group of Grey Poplar trees and associating mycorrhizally with these trees is the now Red Data listed, *Leccinum duriusculum*. Commonly known as the Grey Slate Bolete this species has recently been designated as near threatened as defined by the *IUCN. This decision was reached due to uncertainty regarding estimated populations from 97 unique georeferenced UK sites.
***International Union for Conservation of Nature**

Other Red Data Listed species of *Boletus* picked up during the survey are as follows; *Xerocomellus bubalinus*, *Xerocomellus engelii* and *Xerocomellus riparielus.* The inclusion of these three species is due to data deficiency, as a result of having only been described during the last decade, therefore giving little time to build a decent enough picture of distribution and populations. Also recorded, *Rubinoboletus rubinus* has been proven to be vulnerable.

A record new to site and county, *Russula rhodomelanea* was recorded with Hornbeam, from a small pocket of woodland directly north east of the Mixed Bathing Pond and in close proximity, the uncommon Bolete, *Leccinum crocopidium*.

It was noted that various species of *Armillaria* including the Honey Fungus (*Armillaria mellea*) were quite rampant in parts of the survey areas, and following the high winds experienced during October many of the trees affected by this species literally snapped at the base and fell. I would recommend that if the Honey Fungus were not already under supervision that it should be kept in check. Although it is very difficult to manage I would not advocate, however, the use of any chemical substances.

Although not picked up in either of the survey areas I am aware that *Podoscypha multizonata*, does occur along the northern section of Lime Avenue and also on the northern side of the Stock Pond alongside the path. This species is especially associated with old deer parks, and generally fruits around the roots of old or veteran oak or beech trees, generally in open areas. South East England is host to 80% of the world's population of this species precisely because of the type of habitat provided by areas such as Hampstead Heath. Precisely because of this fact, those who have custody of the land have a duty to protect this species.

The grasslands were found to be generally poor for fungi, which could be due to under grazing, air pollution or the ramifications of dog fouling, all of which influence a low diversity sward and therefore a low diversity of fungi.

Most of the species recorded during the survey are Frequent, Common & Widespread across England and what you would expect from the various types of habitat that comprise the two survey areas. Some Very Rare and Nationally Important species were recorded during the survey. Some of these are covered below.

5.1 *Russula rhodomelanea* - TQ 27231 86358 – Deciduous Woodland

A very rare species new to site and county, mycorrhizal and associating with Carpinus betula, Hornbeam, just east of the Mixed Bathing Ponds. With only 9 records currently in the FRDBI*. * Fungi Records Database of Britain and Ireland.

Fig 4. – *Russula rhodomelanea* – © Andy Overall

5.2 *Cortinarius urbicus* -TQ 26630 86440 – Vale of Health east margin

A very rare species, new to site and county. A mycorrhizal species recorded associating with either Salix or Betula at the eastern margin of the Vale of Health Pond. Currently just 6 records on the FRDBI.

Fig.5 *Cortinarius urbicus* ©Andy Overall

5.2 *Inocybe appendiculata – TQ27532* 86716- Pryor's Flats-Hornbeam and Lime

A very rare species, reported from England and Scotland but unsubstantiated with voucher material, new to site and county. A mycorrhizal species with various broadleaved deciduous trees. Recorded close to both Lime and Hornbeam. Currently there are just 14 records on the FRDBI.

Fig. 6 *Inocybe appendiculata* - © Andy Overall

5.4 *Echinoderma echinaceum* - TQ 27474 86754 – Small Copse of Elm and Birch

A rather uncommon to rare yet widespread species with only one previous record for Middlesex from Perivale Woods in 1981. A new record for Hampstead Heath. A saprophytic species preferring rather nutrient rich soils. Recorded here among dead wood and soil in a small copse of elm and birch tree. The FRDBI currently holds 114 records.

Fig 7. *Echinoderma echinaceum*-©Andy Overall

5.5 *Russula farinipes* –TQ26907 86185 –Proyor's Flats - Hornbeam

An uncommon yet widespread species yet a new record for the Heath proper (I have only recorded this from Kenwood before now) and the first time I have seen it occur in this particular location over at least a decade. A mycorrhizal species recorded associating with Hornbeam. There are currently 318 records of this on the FRDBI with only four of those (mine) coming from Middlesex.

Fig. 8 *Russula farinipes* - ©Andy Overall

5.6 *Xerocomellus bubalinus* – Red Data – Data Deficient - Upper Fairground– Compartment 1,173

This species has been entered as Red Data Species due to the fact that it was described in 1991 and only recently recorded from GB in 2007 so it is listed as Data Deficient (DD) in the recent Boletaceae Red Data List produced by the JNCC. It is proving to be quite common on forays that I lead in Middlesex, so I should imagine that this status will change over the coming years. The same can be said of *Xerocomellus engelii* with regard to its red data entry and its regularity upon my foray lists but the same cannot be said of *Xerocomellus riparielllus* which is proving to be much rarer and therefore may stand as a more genuine red data candidate.

Fig. 9 *Xerocomellus bubalinus* - ©Andy Overall

5.7 *Leccinum duriusculum* – Red Data – Near Threatened East Heath Car Park - Poplar

This species has been included on the recent Boletaceae Red Data List as Near Threatened (NT). Its 'precautionary' inclusion has arisen from uncertainty regarding population estimates from 97 unique georeferenced sites. A very healthy population thrives amongst a small population of Poplar trees at the north-west corner of the East Heath car park. It is mycorrhizal with various Poplars and Aspen. There are currently only 254 records in the FRDBI.

Fig. 10 *Leccinum duriusculum* ©Andy Overall

5.8 *Leccinum crocipodium* - TQ 27231 86358 – Woodland

An occasional yet widespread species of least concern on the Bolete Red Data List. All the same this is a good record. In fact I have not recorded this from the Heath proper, only from Kenwood. There seemed to be a good population thriving in this area. It is a species that is mycorrhizal with Oak, Quercus sp. Currently there are 322 records on the FRDBI.

Fig.11 *Leccinum crocipodium* ©Andy Overall

5.9 *Lactarius circellatus* – Pryor's Flats - Hornbeam

An occasional yet widespread species that is mycorrhizal with Hornbeam and very occasionally Hazel. A very healthy population thrives with the Hornbeam up alongside the Pryor's Flats. It was picked up on the survey during September through to November 2013. There are currently 325 records of this on the FRDBI out of which 10 (mine) are from Middlesex and Hampstead Heath.

Fig.12 *Lactarius circellatus* ©Andy Overall

5.10 *Lactarius fulvissimus* – Woodland Edge – south of Vale of Health - opposite Kiddies Playground

This is a striking mycorrhizal species of 'MilkCap' with only twelve records (mine from Hampstead Heath) out of a total of 671 records on the FRDBI. It is considered by the Checklist of British & Irish Basidiomycota to be occasional and possibly only locally frequent. It is often found with the Hornbeam or Lime next to the Pryor's Flats on this occasion it was recorded from the border of the woodland just opposite the kiddies play area south of the Vale of Health Pond.

Fig.13 *Lactarius fulvissimus* ©Andy Overall

5.11 *Pluteus umbrosus* – TQ27530 86722 - Woodland on dead fallen tree

An occasional yet widespread, saprophytic species, often on very decayed and large chunks of Elm or Beech. It was difficult to ascertain exactly which tree this was growing on but I believe it was either Elm or Poplar due to the surrounding trees and other fallen trees. A beautiful species with only eleven out of 576 records on the FRDBI originating from Middlesex, nine of these are mine from the Heath.

Fig.14 *Pluteus umbrosus* ©Andy Overall

5.12 *Ramaria stricta* – Woodchip – Close to Information Centre and Staff Yard

A common to occasional, yet widespread species that was once a rather uncommon inhabitant of Beech woodland, attaching to buried Beech wood. It has in more recent years become quite common upon woodchip mulch where it can take up large swathes. Commonly known as the Upright Coral this was recorded from the woodchip/mulch on the corner of the Highgate Rd, staff yard. Very few records, twelve in fact from Middlesex, out of 913 in total on the FRDBI.

5.13 *Rubinoboletus rubinus* – TQ 26549 86698 – Red Data Vulnerable - Beech Woodland

This species is included on the recent Red Data List as vulnerable. It is mycorrhizal with either Oak or Beech. A thermophilous Bolete preferring older woodlands. This is a new record for Hampstead Heath proper, although I have recorded it from Kenwood. There are 138 records on the FRDBI with only three (mine) from Middlesex.

Fig. 15 Rubinoboletus rubinus ©Andy Overall

5.14 *Cortinarius saturninus* – TQ25410 87387 corner of Mixed Bathing Ponds, beneath Salix.

A rarely recorded yet widespread mycorrhizal species associated with a variety of deciduous trees especially Willow and Hawthorn. This record was found with a lone Willow tree situated on the north-east corner of Mixed Bathing Pond. This is only the seventh record for this species in Middlesex among 141 records for Great Britain and Ireland in the FRDBI.

Fig. 16 *Cortinarius saturninus* ©Andy Overall

5.14 *Agrocybe cylindracea* – TQ27530 86722

A saprophytic species fruiting from lesions, knot holes or rotten sections of live standing or dead fallen Poplar or Willow trees and, more rarely Elder. It often also fruits from around the base of otherwise healthy looking trees. An occasional species with a south-south western biased, rarely reported elsewhere. There are 386 records on the FRDBI with just 28 from Middlesex, with just four, which are mine, from the Heath.

Fig. 17 *Agrocybe cylindracea* ©Andy Overall

5.15 *Leotia lubrica* – TQ25410 86397 – Edge of Hampstead Stream

A new record for site and county. Given that there are over a thousand records of this on the FRDBI it is quite remarkable that not one is from Middlesex, this being the first. This record was from the edge of the Hampstead Stream at section close to where people cross the stream. Commonly known as 'Jelly Babies' as it has a jelly like texture and no gills or tubes like the conventional mushroom types. It belongs to a different class, The Ascomycetes.

5.16 *Agaricus cappellianus* – TQ27930 86367 – At base of old Salix alongside the Highgate Pond No 1

A rarely reported species that has undergone a few name changes over the years, such as *Agaricus vaporarius* and *Agaricus subperonatus* the latter of which some authors may regard as a 'good species' its own right. This record was from around the base of one of the old Willow trees bordering the Highgate Pond 2. There are only two records from Middlesex on the FRDBI out 139 in total, both are mine and one of these is from the Lime Avenue.

Fig. 18 *Agaricus cappellianus* ©Andy Overall

6.0 Recommendations

6.1 Damage from Dam Works

Areas containing red data or rare species have been identified from the survey, such as the east margin of the Vale of Health Pond and woodland directly east of the Mixed Bathing Pond. It would be advisable to keep any likely disturbance to these and other areas at an absolute minimum to minimise the prospect of losing these and other important species from the Heath. Translocation of any of these species is not an option as this is has not yet been successfully proven.

6.2 Grassland

As the grassland within the survey area was generally and relatively fungi poor I would advocate more grazing across the site to help bring about a more diverse sward. This will in turn help to encourage more fungi of different genera to the grasslands. If this cannot be achieved and if not already practised, a mowing/cutting regime would be advisable during spring and early summer. The off cut should be removed. This process should continue for up to three years to allow for seeds of the ranker grasses to grow out and for other grasses to move in to form a more diverse sward.

6.3 Sycamore, Bramble & Honey Fungus

Invasive shrubs are largely well managed within the survey areas however, where they do exist, a lack of light and moisture will inhibit mycelia growth. Sycamore trees need thinning out in some areas to help create more light for native trees to prosper. Sycamore is not a mycorrhizal partner. Honey Fungus was rather rampant in parts of the survey area and will therefore need some management, but without the use of any chemical products. Clearance of bramble, for instance in areas such as around the Pine trees next to the Ice House would encourage fungi to fruit and any species that are present with these trees and other areas with large concentrations of bramble and other light omitting, water loving ground flora.

6.4 Biodiversity Action Plans

Where certain species from the park have been identified as vulnerable or endangered with reference to data from the current UK Fungi Draft Red Data List. A local or where appropriate, national Biodiversity Action Plans should be applied, if this has not already been done. This will afford further protection for the species.

7.0 Conclusion

In conclusion, the Hampstead and Highgate Pond chains appear to be well represented by most genera of the major groups of fungi to be expected from the complex of habitats therein. The upper section of the Hampstead Pond chain, The Vale of Health and environs, was by far the most productive of the survey areas, the Highgate Pond chain was generally a little poorer for larger fungi be they mycorrhizal, saprophytic or parasitic. This I would put down to soil type and topography. Larger fungi in general prefer free draining soil on land with an incline allowing water to run off, this occurs more so on the 'western slopes' than it does at the more northern side, where soils are heavier with clay, therefore holding more water. It is interesting to note the steady improvement of the larger fungi mycota; the further north-west one heads, along the survey route, the soil becomes noticeably more sandy and free draining.
The same trees occur in both areas, important for the mycorrhizal fungi but less are encountered along the Highgate chain of ponds.
Particular areas of both survey areas can be identified as 'hotspots' for various types of fungi. As already pointed out, the Vale of Health and environs is one of these hotspots where many different mycorrhizal and saprobic species, from different genera, thrive. Most interestingly the eastern and southern margins of the pond provided new records for the Heath and for Middlesex, *Cortinarius urbicus* and *Cortinarius tabularis* being among them. But these areas also have many common, yet no less important mycorrhizal species, such as *Lactarius pubescens, Lactarius plumbea, Lactarius tabidus, Lactarius glyciosmus, Cortinarius hemitrichus, Amanita muscaria, Amanita fulva, Amanita rubescens* and more from different genera. Areas of the lower Highgate chain, the large Willow trees that border the west side of the Mens Swimming Pond and a small Elm and Birch copse situated at TQ 27474 86754 where the uncommon *Echinoderma echinaceum* was recorded for the first time on the Heath (see highlighted species) and only the second record for Middlesex, the first being way back in 1981 in Perivale Woods.
The wooded areas behind the Hampstead No.2 pond and the Mixed Bathing Pond both hold a diverse range of larger fungi of all types, most notably behind the Hampstead No.2 Pond, *Agaricus impudicus* and *Lactarius fulvissimus* behind the Mixed Bathing Pond, the very rare *Russula rhodomelanea* another new record for site and county was recorded alongside the uncommon *Leccinum crocipodium* in one small area comprising a lone Hornbeam tree surrounded by Oak and small Elm.

There are hotspots pocketed throughout both survey areas, highlighting that impact from the dam works must be kept at an absolute minimum to safeguard these habitats.

The grasslands were also generally disappointing for all types of fungi. It is likely that more grazing or if not already implemented, a mowing/cutting regime is needed to allow for more diverse grass species. The influence of dog fouling and atmospheric pollution would also be an influencing factor.

Standing and fallen deadwood provided some good records such as *Coriolopsis gallica* on Ash, *Rhodotus palmatus* on Elm and *Postia subcaesia* on Willow. Recommended action in this case would be to encourage more standing and fallen deadwood, wherever possible, out in the open areas of the Heath.

Collectively, these habitats, which constitute the areas surveyed, hold a diverse range of fungal species across many genera of the major fungal groups.
In a number of cases some species are of local or national importance, which should be noted and afforded some protection under the applicable BAP schemes. Any major influence to the hydrology or any serious habitat destruction as a result of the dam works will affect, if not destroy the larger fungi communities in those areas, impact has to be kept to a minimum to safeguard these habitats. Translocation of any of the red data or rare species is not recommended or really an option as this is at present an unsuccessfully proven method.

APPENDIX 1

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Hampstead Chain
27/08/2013

Species list and notes
By Andy Overall

Compartment 1,173

Perenniporia fraxinea
Parasola plicatilis
Xerocomellus bubalinus red data
Russula grisea
Auricularia auricula judae
Gymnopus dryophilus
Polyporus leptocephalus

Compartment 522, 521 & 524

Russula parazurea
Lacrymaria lacrybunda
Entoloma rhodopodium
Pluteus thomsonii
Rigidoporus ulmarius
Trametes versicolor
Bolbitius titubans
Laetiporus sulphureus
Entoloma sp.
Gymnopus peronotus
Hypomyces chrysospermus
Oudemansiella mucida

Paxillus involutus
Marasmius rotula
Mycena vitilis
Amanita fulva
Russula atroprupurea
Pluteus nanus
Gymnopus confluens

Compartment 1,229

Russula atroprupurea
Amanita rubescens
Auricularia auricula judae

Compartment 527 & 533

Russula atroprupurea
Scleroderma citrinum
Gymnopus dryophilus
Hypholoma fasciculare
Fuligo septica
Pluteus cervinus
Daedaleopsis confragosa

Compartment 1,230

Russula parazurea
Russula ionochlora
Russula plumbeobrunnea
Amanita rubescens
Russula amoenolens
Xerocomellus cisalpinus
Coprinellus micaceus
Parasola leiocephala
Xerocomellus engelii

Compartment 1,137 & 1,139

Pluteus cervinus
Russula atropurpurea
Xerocomellus cisalpinus
Amanita rubescens
Tubaria furfuracea
Coprinopsis lagopus
Lactarius circellatus
Russula farinipes New to site.

Ganoderma resinaceum	Comp 1,127
Leccinum duriusculum red data species	Comp 1,127
Parasola leiocephala	Comp 1,122
Russula parazurea	Comp 1,122
Marasmius oreades	Comp 1,122
Agaricus campestris	Comp 1,122
Pleurotus ostreatus	Comp 1,122
Ganoderma resinaceum	Comp 1,120
Meripilus giganteus	Comp 1,120
Polyporus squamosus	Comp 1,115
Fistulina hepatica	Comp 1,115
Amanita rubescens	Comp 1,116
Ganoderma resinaceum	Comp 1,116
Ganoderma pfeifferi	Comp 1,116
Ganoderma australe	Comp 1,116
Russula pseudointegra	Comp 1,138
Gymnopus fusipes	Comp 1,148
Russula amoenolens	Comp 1,148
Polyporus squamosus	Comp 1,148
Paxillus involutus	Comp 1,148
Xylaria longipes	Comp 1,148
Agrocybe cylindracea	Comp 1,148

Peziza repanda	Comp 1,148
Postia tephroleuca	Comp 1,148
Russula ionochlora	Comp 1,148
Xerula radicata	Comp 1,157
Polyporus squamosus	Comp 1,157
Meripilus giganteus	Comp 1,157
Stereum subtomentosum	Comp 1,157
Rubinoboletus rubinus red data species	Comp 1,157
Fomes fomentarius	Comp 537
Aurantiporus fissilis	Comp 537
Russula violeipes	Comp 537
Vascellum pratense	Comp 1,173

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Highgate Chain
29/08/2013

Species list and notes
by Andy Overall

Ganoderma australe	Comp 1,103
Fomes fomentarius	Comp 1,087
Bolbitius titubans	Comp 1,101
Ganoderma australe	Comp 1,101
Parasola plicatilis	Comp 1,101
Ganoderma australe	Comp 1,050
Daldinia concentrica	Comp 1,049
Coprinopsis lagopus	Comp 1,049
Perenniporia fraxinea	Comp 1,047
Daedaleopsis confragosa	Comp 1,047
Ganoderma australe	Comp 1,047
Armillaria tabescens	Comp 1,051
Inonotus hispidus	Comp 1,051
Polyporus squamosus	Comp 1,041
Russula parazurea	Comp 1,056 east boundary
Russula graveolens	Comp 1,056 east boundary

Russula heterophylla	Comp 1,056 east boundary
Russula grisea	Comp 1,056 east boundary
Russula violeipes	Comp 1,056 east boundary
Russula atroprupurea	Comp 1,056 east boundary
Russula nigricans	Comp 1,056 east boundary
Xerocomus subtomentosus	Comp 1,056 east boundary
Fistulina hepatica	Comp 1,056 east boundary
Gymnopus fusipes	Comp 1,027
Fistulina hepatica	Comp 1,027
Amanita rubescens	Comp 1,027
Clitocybe gibba	Comp 1,016
Gymnopus peronatus	Comp 1,016
Laetiporus sulphureus	Comp 1,064

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Hampstead Chain
10/09/2013
Species list and notes
by Andy Overall

Russula plumbeobrunnea	Comp 1,173
Russula nigricans	Comp 1,173
Agaricus bitorquis	Comp 1,166
Russula foetens	Comp 522
Postia subcaesia	Comp 517
Abortiporus biennius	Comp 517
Lactarius pubescens	Comp 517
Leccinum scabrum	Comp 517
Amanita fulva	Comp 521
Amanita fulva	Comp 521
Russula atroprupurea	Comp 521
Gymnopus erythropus	Comp 521
Russula nigricans	Comp 521
Russula parazurea	Comp 521
Inocybe asterospora	Comp 521
Gymnopus ocior	Comp 1,129

Amanita fulva	Comp 1,129
Xerocomus badius	Comp 1,129
Russula atroprupurea	Comp 1,129
Russula ionochlora	Comp 1,129
Lacrymaria lacrybunda	Comp 1,129
Fistulina hepatica	Comp 1,129
Russula parazurea	Comp 1,129
Gymnopus dryophilus	Comp 1,129
Daedaleopsis confragosa	Comp 1,129
Russula atropurpurea	Comp 533
Boletus edulis	Comp 533
Paxillus involutus	Comp 533
Mycena rosea	Comp 533
Amanita rubescens	Comp 533
Fistulina hepatica	Comp 529
Russula atropurpurea	Comp 529
Russula parazurea	Comp 529
Daedaleopsis confragosa	Comp 529
Russula parazurea	Comp 529
Gymnopus dryophilus	Comp 529
Ganoderma resinaceum	Comp 529
Russula parazurea	Comp 529

Russula amoenolens	Comp 529
Russula amoenolens var. alba	Comp 529
Hypholoma fasciculare	Comp 533
Russula atropurpurea	Comp 533
Paxillus involutus	Comp 533
Pluteus cervinus	Comp 1,231
Pluteus salicinus	Comp 1,231
Coprinellus micaceus	Comp 1,231
Coprinellus disseminatus	Comp 1,231
Rigidioporus ulmarius	Comp 1,231
Hypholoma fasciculare	Comp 1,231
Inocybe geophylla var. geophylla var. liacina	Comp 1,231
Russula atroprupurea	Comp 1,231
Russula parazurea	Comp 1,231
Xerocomellus porosporus	Comp 1,231
Gymnopus dryophilus	Comp 1,231
Russula fragilis	Comp 1,231
Xerocomellus cisalpinus	Comp 1,231
Xerocomellus engelii	Comp 1,230
Russula plumbeobrunnea	Comp 1,230
Russula sororia	Comp 1,230
Russula ochroleuca	Comp 1,230

Russula atropupurea	Comp 1,230
Russula amoenolens	Comp 1,230
Russula amoenolens	Comp 1,230
Russula atropurpurea	Comp 1,230
Russula subfoetens	Comp 1,230
Russula ionochlora	Comp 1,230
Russula parazurea	Comp 1,230
Russula amoenolens	Comp 1,138
Russula amoenolens	Comp 1,140
Amanita rubescens	Comp 1,140
Tubaria furfuracea	Comp 1,140
Daldinia concentrica	Comp 1,140
Lactarius circellatus	Comp 1,140
Russula farinipes New to site	Comp 1,140
Xerocomellus porosporus	Comp 1,140
Leccinum duriusculum red data species	Comp 1,127
Xerocomellus riparielus red data species	Comp 1,127
Pleurotus ostreatus	Comp 1.122
Pluteus salicinus	Comp 1.120
Stereum subtomentosum	Comp 1.120
Xerocomus subtomentosus	Comp 1.117
Russula pseudointegra	Comp 1.117

Russula amoenolens	Comp 1.116
Russula amoenolens	Comp 1.116
Gymnopus dryophilus	Comp 1.116
Perenniporia fraxinea	Comp 1.116
Daedaleopsis confragosa	Comp 1.212
Russula plumbeobrunnea	Comp 1.129
Gyroporus castaneus	Comp 1.151
Meripilus giganteus	Comp 1.148
Fistulina hepatica	Comp 1.148
Gymnopus fusipes	Comp 1.148
Paxillus involutus	Comp 1.157
Meripilus giganteus	Comp 1.157
Polyporus tuberaster	Comp 1.157
Russula grisea	Comp 1.157
Meripilus giganteus	Comp 1.157
Xerocomus subtomentosus	Comp 1.157
Amanita rubescens	Comp 1.158
Gymnopus dryophilus	Comp 1.158
Auricularia auricula judae	Comp 1.158
Scleroderma aereolatum	Comp 1.158
Xerocomus subtomentosus	Comp 1.165

Scleroderma cepa	Comp 1.165
Xerocomellus bubalinus red data species	Comp 1.166
Perenniporia fraxinea	Comp 1.173

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Hampstead Chain
25/09/2013
Species list and notes
by Andy Overall

Boletus edulis	Comp 1.016
Russula graveolens	Comp 1.016
Gymnopilus dryophilus	Comp 1.016
Psathyrella spadiceogrisea	Comp 1.016
Agaricus dulcidulus	Comp 1.028
Gymnopilus dryophilus	Comp 1.028
Amanita rubescens	Comp 1.028
Paxillus involutus	Comp 1.028
Lactarius plumbeus	Comp 1.028
Gymnopilus dryophilus	Comp 1.027
Tubaria conspersa	Comp 1.027
Russula atropurpurea	Comp 1.027

Russula nigricans	Comp 1.027 fence line of Stock Pond
Russula parazurea	Comp 1.027 fence line of Stock Pond
Russula ochroleuca	Comp 1.027 fence line of Stock Pond
Amanita excelsa	Comp 1.027 fence line of Stock Pond
Amanita rubescens	Comp 1.027 fence line of Stock Pond
Gymnopus dryophilus	Comp 1.027 fence line of Stock Pond
Russula graveolens	Comp 1.027 fence line of Stock Pond
Russula amoenolens	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula parazurea	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Fistulina hepatica	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula plumbeobrunnea	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Mycena pura	Comp 1.056 Old Oak Boundary-South of Highgate Gate

Macrolepiota procera	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Gyroporus castaneus	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Inocybe sp	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Laccaria laccata	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula grisea	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Agaricus silvicola	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula amoenolens	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Oudemansiella mucida	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Mycena hiemalis	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Mycena galopus	Comp 1.056 Old Oak Boundary-South of Highgate Gate

Mycena pura	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Mycena vitilis	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula atropurpurea	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula atropurpurea	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula atropurpurea	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula atropurpurea	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula atropurpurea	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Russula atropurpurea	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Mycena galopus	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Xerocomellus cisalpinus	Comp 1.056 Old Oak Boundary-South of Highgate Gate

Laccaria laccata	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Tubaria conspersa	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Paxillus involutus	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Laccaria amethystina	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Auricularia auricula judae	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Hypholoma fasciculare	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Amanita rubescens	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Mycena polyadelpha New to site	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Lactarius quietus	Comp 1.056 Old Oak Boundary-South of Highgate Gate
Lactarius tabidus	Comp 1.056 Old Oak Boundary-South of Highgate Gate

Agrocybe cylindracea	Comp 1.064 Poplar trees
Paxillus involutus	Comp 1.064 Salix
Psathyrella candolleana	Comp 1.064 Salix
Meripilus giganteus	Comp 1.064 Copper Beech
Russula parazurea	Comp 1.064 Tilia
Hygrophoropsis aurantiaca	Comp 1.064 grassland
Tubaria conspersa	Comp 1.064 grassland
Pluteus nanus	Comp 1.054
Armillaria tabescens	Comp 1.054
Psathyrella candolleana	Comp 1.054
Fistulina hepatica	Comp 1.054- Tree 0170
Psathyrella candolleana	Comp 1.054
Ganoderma australe	Comp 1.054
Paxillus involutus	Comp 1.054
Coprinellus micaceus	Comp 1.054
Agaricus campestris	Comp 1,078
Lacrymaria lacrybunda	Comp 1,078
Lacrymaria lacrybunda	Comp 1,078
Coprinellus micaceus	Comp 1,078
Coprinellus micaceus	Comp 1,078
Chlorophyllum rhacodes	Comp 1,078

Psathyrella candolleana	Comp 1,078
Agaricus cappellianus	Comp 1,078
Tubaria conspersa	Comp 1,078
Fistulina hepatica	Comp 1,101-Oak tree 0140
Psathyrella candolleana	Comp 1,103
Conocybe sp	Comp 1,103
Mycena olivaceamarginata	Comp 1,103
Agaricus dulcidulus	Comp 1,094
Leucoagaricus leucothites	Comp 1,094
Perenniporia fraxinea	Comp 1,095
Leratiomyces ceres	Comp 1,095
Tubaria dispersa	Comp 1,108
Parasola leiocephala	Comp 1,102
Russula risigallina	Comp 1,108
Psathyrella corrugis	Comp 1,102
Psathyrella candolleana	Comp 1,050
Coprinellus disseminatus	Comp 1,050
Parasola auricoma	Comp 1,050
Chlorophyllum rhacodes	Comp 1,050

Agaricus arvensis	Comp 1,050
Lepista sordida	Comp 1,050
Meripilus giganteus	Comp 1,049
Agaricus campestris	Comp 1,047
Coriolopsis gallica	Comp 1,047
Lepista sordida	Comp 1,036
Polyporus durus	Comp 1,036
Lepiota cristata	Comp 1,036
Fistulina hepatica	Comp 1,036
Bulgaria inquinins	Comp 1,036
Fistulina hepatica	Comp 1,036
Fistulina hepatica	Comp 1,036
Russula fragilis	Comp 1,036
Pluteus chrysophaeus	Comp 1,036

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Hampstead Chain
04/10/2013
Species list and notes
by Andy Overall

Bolbitius titubans	Comp 1,173
Gymnopus peronotus	Comp 1,173
Pluteus salicinus	Comp 1,173
Psathyrella tephrophylla	Comp 1,173
Hypholoma fasciculare	Comp 1,173
Xerocomellus bubalinus red data species, data deficient	Comp 1,173
Mycena rosea	Comp 1,173
Mycena rosea	Comp 1,173
Trametes versicolor	Comp 1,173
Lycoperdon perlatum	Comp 1,173
Mycena pura	Comp 1,173

Mycena pura	Comp 1,173
Mycena pura	Comp 1,173
Mycena pura	Comp 1,173
Mycena galopus	Comp 1,173
Chlorophyllum rhacodes	Comp 1,173
Chlorophyllum rhacodes	Comp 1,173
Russula parazurea	Comp 1,173
Clitocybe gibba	Comp 1,166
Lycoperdon pyriforme	Comp 1,166
Lycoperdon pyriforme	Comp 1,166
Lycoperdon pyriforme	Comp 1,166
Xerocomus badius	Comp 1,166
Russula ionochlora	Comp 1,166
Russula ionochlora	Comp 1,166
Lactarius plumbeus	Comp 1,166
Paxillus involutus	Comp 1,166
Russula atropurpurea	Comp 1,166
Amanita rubescens	Comp 1,166

Auricularia auricula judae	Comp 1,166
Auricularia auricula judae	Comp 1,166
Pluteus cervinus	Comp 1,166
Russula amoenolens	Comp 1,166
Boletus luridiformis	Comp 1,166
Agaricus bitorquis	Comp 1,166
Agaricus impudicus	Comp 1,166
Coprinellus micaceus	Comp 522
Lepiota subincarnata	Comp 522
Xerocomellus porosporus	Comp 522
Cortinarius urbicus New to site & county	Comp 517 Vale of Health Pond edge
Tricholoma fulvum	Comp 517 Vale of Health Pond edge
Lactarius pubescens	Comp 517 Vale of Health Pond edge
Paxillus involutus	Comp 517 Vale of Health Pond edge
Cortinarius tabularis New to site & county	Comp 517 Vale of Health Pond edge
Hebeloma pusillum	Comp 517 Vale of Health Pond edge

Russula claroflava	Comp 517 Vale of Health Pond edge
Paxillus involutus	Comp 517 Vale of Health Pond edge
Xerocomus badius	Comp 517 Vale of Health Pond edge
Boletus edulis	Comp 517 Vale of Health Pond edge
Amanita rubescens	Comp 517 Vale of Health Pond edge
Hypholoma fasciculare	Comp 517 Vale of Health Pond edge
Lactarius tabidus	Comp 517 Vale of Health Pond edge
Tricholoma fulvum	Comp 517 Vale of Health Pond edge
Amanita muscaria	Comp 517 Vale of Health Pond edge
Leccinum scabrum	Comp 517 Vale of Health Pond edge
Russula fragilis	Comp 517 Vale of Health Pond edge
Armillaria mellea	Comp 517 Vale of Health Pond edge
Amanita rubescens	Comp 517 Vale of Health Pond edge
Citopilus prunulus	Comp 517 Vale of Health Pond edge
Russula betularem	Comp 517 Vale of Health Pond edge
Lactarius plumbeus	Comp 517 Vale of Health Pond edge

Lactarius plumbeus	Comp 517 Vale of Health Pond edge
Lactarius plumbeus	Comp 517 Vale of Health Pond edge
Lactarius plumbeus	Comp 517 Vale of Health Pond edge
Mycena pura	Comp 521 behind VOH pond
Mycena galopus	Comp 521 behind VOH pond
Russula parazurea	Comp 521 behind VOH pond
Mycena vitilis	Comp 521 behind VOH pond
Lactarius tabidus	Comp 521 behind VOH pond
Mycena haematopus	Comp 521 behind VOH pond
Mycena galericulata	Comp 521 behind VOH pond
Gymnopus dryophilus	Comp 521 behind VOH pond
Amanita fulva	Comp 521 behind VOH pond
Rhodocollybia butyracea	Comp 521 behind VOH pond
Xerocomellus cisalpinus	Comp 521 behind VOH pond
Mycena pura var. alba	Comp 521 behind VOH pond

Mycena rosea	Comp 521 behind VOH pond
Russula plumbeobrunnea	Comp 521 west of Kiddies Playground
Xerocomellus porosporus	Comp 521 west of Kiddies Playground
Russula graveolens	Comp 1,229 south of Kiddies Playground
Russula velenovskyii	Comp 1,229 south of Kiddies Playground
Hebeloma sacchariolens	Comp 1,230 south of Kiddies Playground
Russula amoenolens	Comp 1,230 south of Kiddies Playground
Lactarius fulvissimus	Comp 1,230 south of Kiddies Playground
Lactarius plumbeus	Comp 1,230 south of Kiddies Playground
Entoloma rhodopodium	Comp 1,230 south of Kiddies Playground
Agaricus silvaticus	Comp 1,230 south of Kiddies Playground
Laccaria amethystina	Comp 1,230 south of Kiddies Playground

Gymnopus dryophilus	Comp 1,230 south of Kiddies Playground
Russula parazurea	Comp 1,230 south of Kiddies Playground
Russula atropurpurea	Comp 1,230 south of Kiddies Playground
Russula atropurpurea	Comp 1,230 south of Kiddies Playground
Russula amoenolens	Comp 1,230 south of Kiddies Playground
Russula amoenolens	Comp 1,230 south of Kiddies Playground
Russula ochroleuca	Comp 1,230 south of Kiddies Playground
Xerocomellus bubalinus red data species data deficient	Comp 1,230 south of Kiddies Playground
Coprinellus micaceus	Comp 1,230 south of Kiddies Playground
Hypholoma fasciculare	Comp 1,230 south of Kiddies Playground
Pluteus thompsonii	Comp 1,230 south of Kiddies Playground
Pluteus cervinus	Comp 1,230 south of Kiddies Playground

Coprinus comatus	Comp 1,230 south of Kiddies Playground
Inocybe rimosa	Comp 1, 137 beside block flats
Chlorophyllum rhacodes	Comp 1, 137 beside block flats
Lactarius circellatus	Comp 1, 137 beside block flats
Boletus edulis	Comp 1, 137 beside block flats
Inocybe appendiculata New to site	Comp 1, 137 beside block flats
Entoloma rhodopodium	Comp 1, 137 beside block flats
Amanita rubescens	Comp 1, 137 beside block flats
Hebeloma sacchariolens	Comp 1, 137 beside block flats
Laccaria laccata	Comp 1, 137 beside block flats
Xerocomellus porosporus	Comp 1, 137 beside block flats
Amanita phalloides	Comp 1,136 open area
Lactarius fulvissimus	Comp 1,136 open area
Xerocomellus pruinatus	Comp 1,136 open area
Leccinum duriusculum red data species	Comp 1,127 car park
Pholiota aurivella	Comp 1,122

Pleurotus ostreatus	Comp 1,122
Russula atropurpurea	Comp 1,129
Russula plumbeobrunnea	Comp 1,129
Armillaria mellea	Comp 1,129
Amanita muscaria	Comp 1,129
Xerocomus badius	Comp 1,129
Xerocomellus cisalpinus	Comp 1,129
Russula parazurea	Comp 1,129
Russula amoenolens var. alba	Comp 1,139
Russula plumbeobrunnea	Comp 1,139
Xerula radicata	Comp 1,139
Amanita rubescens	Comp 1,139
Agaricus impudicus	Comp 1,139
Lycoperdon perlatum	Comp 1,139
Psathyrella multipedata	Comp 1,139
Xerocomellus porosporus	Comp 1,139
Amanita rubescens	Comp 1,139
Russula ochroleuca	Comp 1,139
Russula atropurpurea	Comp 1,139
Pluteus cervinus	Comp 1,139
Laccaria amethystina	Comp 1,139
Amanita rubescens	Comp 1,139
Inocybe geophyllum var. geophyllum	Comp 1,138-Lime Avenue

Mycena galericulata	Comp 1,138-Lime Avenue
Hypholoma fasciculare	Comp 1,138-Lime Avenue
Lyceperdon perlatum	Comp 1,138-Lime Avenue
Amanita rubescens	Comp 1,138-Lime Avenue
Russula ochroleuca	Comp 1,138-Lime Avenue
Lactarius plumbeus	Comp 1,138-Lime Avenue
Xerocomellus cisalpinus	Comp 1,138-Lime Avenue
Russula sororia	Comp 1,138-Lime Avenue
Paxillus involutus	Comp 1,138-Lime Avenue
Russula amoenolens	Comp 1,138-Lime Avenue
Russula plumbeobrunnea	Comp 1,138-Lime Avenue
Russula ionochlora	Comp 1,138-Lime Avenue
Leccinum scabrum	Comp 1,138-Lime Avenue
Russula atropurpurea	Comp 1,138-Lime Avenue
Russula ionochlora	Comp 1,138-Lime Avenue
Lactarius quietus	Comp 1,138-Lime Avenue
Laccaria laccata	Comp 1,138-Lime Avenue
Paxillus involutus	Comp 1,138-Lime Avenue
Mycena galopus	Comp 1,231
Mycena galericulata	Comp 1,231
Mycena galericulata	Comp 1,231

Russula atropurpurea	Comp 1,231
Hebeloma sacchariolens	Comp 1,231
Entoloma rhodopodium	Comp 1,231
Armillaria mellea	Comp 1,231
Inocybe geophylla var. geophylla var. lilacina	Comp 1,231
Mycena pura	Comp 1,231
Paxillus involutus	Comp 1,231
Lycoperdon perlatum	Comp 1,231
Lactarius plumbeus	Comp 1,231
Russula parazurea	Comp 1,231
Russula atropurpurea	Comp 1,231
Russula amoenolens	Comp 1,231
Armillaria mellea	Comp 1,231
Lactarius quietus	Comp 1,231
Clitocybe nebularis	Comp 1,231
Russula parazurea	Comp 1,231
Scleroderma citrina	Comp 1,231
Amanita rubescens	Comp 1,231
Amanita rubescens	Comp 1,231
Russula atropurpurea	Comp 1,231
Amanita muscaria	Comp 1,231
Leccinum scabrum	Comp 1,231
Armillaria mellea	Comp 1,231

Lycoperdon pyriforme	Comp 1,231
Russula parazurea	Comp 1,231
Stropharia caerulea	Comp 522
Agaricus bitorquis	Comp 1, 173
Armillaria mellea	Comp 1, 130
Hypholoma fasciculare	Comp 1, 130
Hebeloma sacchariolens	Comp 1, 130
Russula risigallina	Comp 1, 130
Russula amoenolens	Comp 1, 130
Russula graveolens	Comp 1, 130
Inocybe rimosa	Comp 1, 130
Xerocomellus engelii	Comp 1, 130
Scleroderma aereolatum	Comp 1, 130
Laccaria laccata	Comp 1, 130
Russula sororia	Comp 1, 130
Mycena galericulata	Comp 1, 130
Parasola leiocephala	Comp 1, 130
Pholiota squarrosa	Comp 1, 130
Hypholoma fasciculare	Comp 1, 130
Mycena galericulata	Comp 1, 130
Inocybe geophylla var. geophylla	Comp 1, 130
Helvella crispa	Comp 1, 130
Inocybe rimosa	Comp 1, 130

Leccinum crocipodium	Comp 1,153
Russula rhodomelanea New to site & county	Comp 1,153
Cortinarius basililaceus	Comp 1,153
Pluteus umbrosus	Comp 1,157
Rhodotus palmatus	Comp 1,157
Russula parazurea	Comp 1,157
Mycena pura	Comp 1,157
Amanita muscaria	Comp 1,157
Armillaria gallica	Comp 1,157
Lactarius plumbeus	Comp 1,157
Lactarius plumbeus	Comp 1,157
Amanita rubescens	Comp 1,157
Amanita rubescens	Comp 1,157
Mycena galericulata	Comp 1,157
Oudemansiella mucida	Comp 1,157
Leratiomyces ceres	Comp 1,157
Armillaria gallica	Comp 1,157
Lepista flaccida	Comp 1,157

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Highgate Chain
15/10/2013
Species list and notes
by Andy Overall

Russula fragilis	Comp 1,018
Macrolepiota fuliginosa	Comp 1,018
Amanita rubescens	Comp 1,018
Hebeloma sacchariolens	Comp 1,018
Mycena vitilis	Comp 1,018
Psathyrella spadiceogrisea	Comp 1,018
Lactarius plumbeus	Comp 1,028
Paxillus involutus	Comp 1,028
Amanita rubescens	Comp 1,028
Amanita citrina	Comp 1,028
Mycena inclinata	Comp 1,028
Armillaria mellea	Comp 1,028
Mycena galericulata	
Mycena pura	Comp 1,028
Fistulina hapatica	Comp 1,028
Amanita muscaria	Comp 1,027
Lactarius plumbeus	Comp 1,027

Russula atropurpurea	Comp 1,027
Russula amoenolens	Comp 1,027
Amanita rubescens	Comp 1,027
Amanita rubescens	Comp 1,027
Amanita rubescens	Comp 1,027
Amanita rubescens	Comp 1,027
Gymnopus dryophilus	Comp 1,027
Russula atropurpurea	Comp 1,027
Fistulina hepatica	Comp 1,042
Mycena pura	Comp 1,042
Russula grisea	Comp 1,042
Russula heterophylla	Comp 1,042
Grifola frondosa	Comp 1,042
Russula plumbeobrunnea	Comp 1,042
Lenzites betulinus	Comp 1,042
Stereum hirsutum	Comp 1,042
Bolbitius titubans	Comp 1,042
Hypholoma fasciculare	Comp 1,042
Mycena galericulata	Comp 1,042
Amanita rubescens	Comp 1,056
Lactarius plumbeus	Comp 1,056

Paxillus involutus	Comp 1,056
Paxillus involutus	Comp 1,056
Mycena vitilis	Comp 1,056
Hypholoma fasciculare	Comp 1,056
Fistulina hepatica	Comp 1,056
Pholiota squarrosa	Comp 1,056
Armillaria mellea	Comp 1,055
Russula ochroleuca	Comp 1,055
Lepiota castanea	Comp 1,055
Otidea bufonia	Comp 1,055
Amanita rubescens var. annulosulphureum	Comp 1,055
Mycena rosea	Comp 1,055
Hebeloma leucosarx	Comp 1,055
Russula aeruginea	Comp 1,055
Lycoperdon perlatum	Comp 1,055
Laccaria laccata	Comp 1,055
Mycena vitilis	Comp 1,055
Echinoderma echinaceum	Comp 1,055
Russula parazurea	Comp 1,064
Russula amoenolens	Comp 1,064
Auricularia auricula judae	Comp 1,064

Russula delica	Comp 1,064
Hebeloma leucosarx	Comp 1,054
Fistulina hepatica	Comp 1,054
Pholiota squarrosa	Comp 1,051
Hebeloma sacchariolens	Comp 1,051
Armillaria mellea	Comp 1,101
Fistulina hepatica	Comp 1,101
Armillaria mellea	Comp 1,101
Ramaria curta New to site	Comp 1,108
Agaricus xanthodermus	Comp 1,108
Psathyrella sp	Comp 1,050
Armillaria mellea	Comp 1,048
Lyophyllum decastes	Comp 1,047
Mycena galericulata	Comp 1,036
Armillaria mellea	Comp 1,036
Rhodotus palmatus	Comp 1,036
Auricularia auricula judae	Comp 1,036

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Hampstead Chain
30/10/2013
Species list and notes
by Andy Overall

Chlorophyllum rhacodes	Comp 1,173
Lepista nuda	Comp 1,173
Trametes versicolor	Comp 1,173
Stereum hirsutum	Comp 1,173
Pholiota squarrosa	Comp 1,173
Chlorophyllum rhacodes	Comp 1,173
Lycoperdon molle	Comp 1,173
Melanoleuca polioleuca	Comp 1,116
Lactarius plumbeus	Comp 1,116
Russula ionochlora	Comp 1,116
Lepista sordida	Comp 1,116
Mycena vitilis	Comp 1,116
Lycoperdon pyriforme	Comp 1,116
Auricularia auricula judae	Comp 1,116
Xylaria hypoxylon	Comp 1,116
Lepista flaccida	Comp 522
Crepidotus mollis	Comp 517
Lactarius pubescens	Comp 517

Inocybe cincinnata	Comp 517
Lactarius tabidus	Comp 521
Lactarius plumbeus	Comp 521
Tricholoma fulvum	Comp 521
Cortinarius hemetrichus	Comp 521
Rhodocollybia butyracea	Comp 521
Rhodocollybia butyracea	Comp 521
Rhodocollybia butyracea	Comp 521
Rhodocollybia butyracea	Comp 521
Amanita muscaria	Comp 521
Lactarius tabidus	Comp 521
Lactarius tabidus	Comp 521
Lactarius tabidus	Comp 521
Mycena galopus	Comp 521
Mycena vitilis	Comp 521
Lactarius plumbeus	Comp 521
Postia subcaesia	Comp 521
Gymnopus peronota	Comp 521
Clitocybe nebularis	Comp 521
Mycena pura	Comp 521

Parasola conopilus	Comp 521
Mycena galopus	Comp 521
Laccaria laccata	Comp 1,141
Laccaria laccata	Comp 1,141
Clavulina coralloides	Comp 1,141
Clitocybe nebularis	Comp 1,141
Lactarius plumbeus	Comp 1,141
Russula velenovskyii	Comp 1,141
Crepidotus mollis	Comp 1,141
Rhodocollybia butyracea	Comp 1,141
Lactarius plumbeus	Comp 1,141
Amanita muscaria	Comp 1,229
Amanita muscaria	Comp 1,229
Lactarius tabidus	Comp 1,229
Chalciporus piperatus	Comp 1,229
Crepidotus variabilis	Comp 1,229
Lactarius tabidus	Comp 1,229
Lactarius plumbeus	Comp 1,229
Paxillus involutus	Comp 1,229
Clitocybe nebularis	Comp 1,229
Armillaria mellea	Comp 1,229
Lactarius tabidus	Comp 1,229

Pholiota squarrosa	Comp 1,229
Lycoperdon perlatum	Comp 1,229
Paxillus involutus	Comp 1,229
Armillaria mellea	Comp 1,229
Pleurotus ostreatus	Comp 1,229
Lactarius tabidus	Comp 1,229
Hebeloma pusillum	Comp 1,229
Clitocybe nebularis	Comp 1,229
Lactarius plumbeus	Comp 1,229
Lycoperdon perlatum	Comp 1,229
Daedaleopsis confragosa	Comp 1,229
Psathyrella pilluliformis	Comp 1,229
Lactarius laccata	Comp 1,229
Lactarius plumbeus	Comp 1,229
Xylaria hypoxylon	Comp 1,229
Clitocybe nebularis	Comp 1,139
Russula atropurpurea	Comp 1,139
Paxillus involutus	Comp 1,139
Paxillus involutus	Comp 1,139
Russula ochroleuca	Comp 1,139
Laccaria amethystina	Comp 1,139
Crepidotus variabilis	Comp 1,155
Pleurotus ostreatus	Comp 1,155
Clitocybe fragrans	Comp 1,139

Rhodocollybia butyracea	Comp 1,139
Russula parazurea	Comp 1,139
Chlorophyllum rhacodes	Comp 1,139
Lepista flaccida	Comp 1,139
Amanita muscaria	Comp 1,128
Clitocybe metachroa	Comp 1,128
Auricularia auricula judae	Comp 1,122
Russula fragilis	Comp 1,130
Coprinellus micaceus	Comp 1,130
Pholiota squarrosa	Comp 1,116
Russula rhodomelanea New to site & county	Comp 1,153
Hebeloma sacchariolens	Comp 1,153
Gymnopilus junonius	Comp 1,153
Laccaria laccata	Comp 1,153
Entoloma rhodopodium	Comp 1,153
Inocybe asterospora	Comp 1,153
Helvella crispa	Comp 1,153
Mycena inclinata	Comp 1,153
Inocybe rimosa	Comp 1,153
Inocybe geophylla var. geophylla var. lilacina	Comp 1,153
Clitocybe metachroa	Comp 537
Chlorophyllum rhacodes	Comp 537
Auricularia auricula judae	Comp 537
Mycena galopus	Comp 537

Lactarius plumbeus	Comp 537
Psathyrella prona	Comp 537
Pluteus cervinus	Comp 537
Rhodocollybia butyracea	Comp 537
Mycena inclinata	Comp 537
Oudemansiella mucida	Comp 544
Lactarius plumbeus	Comp 544
Calocera cornea	Comp 544
Piptoporus betulinus	Comp 544
Coprinellus micaceus	Comp 544
Conocybe arrhenii	Comp 544
Laccaria laccata	Comp 544
Lactarius plumbeus	Comp 544
Rhodotus palmatus	Comp 544
Auricularia auricula judae	Comp 544
Hypholoma fasciculare	Comp 544
Russula nitida	Comp 544

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Highgate Chain
04/11/2013
Species list and notes
by Andy Overall

Clitocybe metachroa	Comp 1,016
Laccaria proxima	Comp 1,016
Russula fragilis	Comp 1,016
Lycophyllum decastes	Comp 1,027
Lactarius plumbeus	Comp 1,027
Auricularia auricula judae	Comp 1,027
Russula ochroleuca	Comp 1,027
Stereum hirsutum	Comp 1,027
Mycena inclinata	Comp 1,027
Lactarius subdulcis	Comp 1,027
Lepista flaccida	Comp 1,027
Lactarius tabidus	Comp 1,027
Rhodocollybia butyracea	Comp 1,027
Gymnopus peronatus	Comp 1,027
Paxillus involutus	Comp 1,027
Cltocybe nebularis	Comp 1,027
Lactarius plumbeus	Comp 1,027

Lactarius plumbeus	Comp 1,027
Rhodocollybia butyracea	Comp 1,027 stock pond border
Rhodocollybia butyracea	Comp 1,027 stock pond border
Rhodocollybia butyracea	Comp 1,027 stock pond border
Tricholoma saponaceum	Comp 1,027 stock pond border
Gymnopus dryophlius	Comp 1,027 stock pond border
Russula nigricans	Comp 1,027 stock pond border
Clitopilus prunulus	Comp 1,027 stock pond border
Amanita rubescens	Comp 1,027 stock pond border
Stereum subtomentosum	Comp 1,027 stock pond border
Laccaria amethystina	Comp 1,027 stock pond border
Clitocybe nebularis	Comp 1,056
Rhodocollybia butyracea	Comp 1,056
Lepista nuda	Comp 1,056
Mycena pura	Comp 1,056
Lepista flaccida	Comp 1,056
Clitocybe nebularis	Comp 1,042-womens pond border
Clitocybe nebularis	Comp 1,042-womens pond border

Pluteus cervinus	Comp 1,042-womens pond border
Russula nigricans	Comp 1,042-womens pond border
Rhodocollybia butyracea	Comp 1,042-womens pond border
Laccaria amethystina	Comp 1,042-womens pond border
Laccaria laccata	Comp 1,042-womens pond border
Laccaria proxima	Comp 1,042-womens pond border
Tubaria conspersa	Comp 1,042-womens pond border
Mycena galericulata	Comp 1,042-womens pond border
Mycena vitilis	Comp 1,042-west border
Lepista nuda	Comp 1,042-west border
Mycena archangeliaca	Comp 1,055-Birch & Elm
Clitocybe nebularis	Comp 1,055-Birch & Elm
Mycena rosea	Comp 1,055-Birch & Elm
Melanoleuca polioleuca	Comp 1,055-Birch & Elm
Lepista nuda	Comp 1,055-Birch & Elm
Clitocybe nebularis	Comp 1,055-Birch & Elm
Lycoperdon perlatum	Comp 1,055-Birch & Elm

Russula plumbeobrunnea	Comp 1,064-Beech & Lime Mount
Mycena filopes	Comp 1,064 nr Sweet Chestnut
Lepista nuda	Comp 1,064
Pleurotus ostreatus	Comp 1,064
Bulgaria inquinins	Comp 1,064
Entoloma rhodopodium	Comp 1,054
Entoloma rhodopodium	Comp 1,054
Auricularia auricula judae	Comp 1,053
Coprinellus disseminatus	Comp 1,051
Inocybe geophylla var. geophylla var. lilacina	Comp 1,051
Melanoleuca polioleuca	Comp 1,101
Lepista flaccida	Comp 1,101
Daldinia concentrica	Comp 1,101
Lepista sordida	Comp 1,095
Coprinellus micaceus	Comp 1,095
Gymnopilus penetrans	Comp 1,095
Ramaria stricta	Comp 1,108
Ramaria curta New to site	Comp 1,108
Agaricus xanthodermus	Comp 1,108 border with William Ellis School

Chlorophyllum rhacodes	Comp 1,050 east corner of mens pond
Coprinellus micaceus	Comp 1,047
Lycoperdon molle	Comp 1,047
Lepista flaccida	Comp 1,047
Infundibulicybe geotropa	Comp 1,034- east border of stock pond
Clitocybe nebularis	Comp 1,034- east border of stock pond
Chlorophyllum rhacodes	Comp 1,034- east border of stock pond
Auricularia auricula judae	Comp 1,034- east border of stock pond

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Hampstead Chain
13/11/2013
Species list and notes
by Andy Overall

Auricularia mesenterica	Comp 1,173 upper fairground
Chlorophyllum rhacodes	Comp 1,173 upper fairground
Lepista flaccida	Comp 1,173 upper fairground
Clitocybe vibecina	Comp 1,173 upper fairground
Lepista nuda	Comp 1,173 upper fairground
Lepista sordida	Comp 1,173 upper fairground
Stereum subtomentosum	Comp 1,173 upper fairground
Flammulina velutipes	Comp 1,173 upper fairground
Calocera cornea	Comp 1,173 upper fairground
Trametes versicolor	Comp 1,167 upper fairground
Rhodocollybia butyracea	Comp 1,167 upper fairground
Pholiota squarrosa	Comp 1,167 upper fairground
Lepista flaccida	Comp 1,167 upper fairground
Lepista flaccida	Comp 1,167 upper fairground

Lepista flaccida	Comp 1,167 upper fairground
Mycena pura	Comp 1,167 upper fairground
Mycena vitilis	Comp 1,167 upper fairground
Pholiota squarrosa	Comp 1,167 upper fairground
Lepista nuda	Comp 1,167 upper fairground
Clitocybe nebularis	Comp 1,167 upper fairground
Auricularia mesenterica	Comp 1,167 upper fairground
Auricularia mesenterica	Comp 1,167 upper fairground
Lactarius plumbeus	Comp 1,166 upper fairground north border
Auricularia auricula judae	Comp 1,166 upper fairground north border
Auricularia auricula judae	Comp 1,166 upper fairground north border
Exidia nucleata New to Site	Comp 1,166 upper fairground north border
Xylaria polymorpha	Comp 1,166 upper fairground north border
Polyporus brumalis	Comp 1,166 upper fairground north border

Flammulina velutipes	Comp 1,166 upper fairground north border
Lepista flaccida	Comp 523 upper fairground, Ice House
Clitocybe fragrans	Comp 523 upper fairground, Ice House
Mycena archangeliaca	Comp 523 upper fairground, Ice House
Daedalea quercina	Comp 524 upper fairground, Ice House
Laccaria amethystina	Comp 517 Vale of Health Pond edge
Inocybe geophylla var. geophylla var. geophylla	Comp 517 Vale of Health Pond edge
Rhodocollybia butyracea	Comp 517 Vale of Health Pond edge
Lactarius tabidus	Comp 521 Vale of Health Pond edge
Paxillus involutus	Comp 521 Vale of Health Pond edge
Paxillus involutus	Comp 521 Vale of Health Pond edge
Paxillus involutus	Comp 521 Vale of Health Pond edge
Lactarius pubescens	Comp 521 Vale of Health Pond edge
Mycena rosea	Comp 521 Vale of Health Pond edge
Russula ochroleuca	Comp 521 Vale of Health Pond edge

Russula betularem	Comp 521 Vale of Health Pond edge
Stereum hirsutum	Comp 521 Vale of Health Pond edge
Hypholoma fasciculare	Comp 521 Vale of Health Pond edge
Rhodocollybia butyracea	Comp 521 woods behind Vale of Health Pond
Rhodocollybia butyracea	Comp 521 woods behind Vale of Health Pond
Pluteus cervinus	Comp 521 woods behind Vale of Health Pond
Lepista flaccida	Comp 521 woods behind Vale of Health Pond
Gymnopus peronatus	Comp 521 woods behind Vale of Health Pond
Lactarius tabidus	Comp 521 woods behind Vale of Health Pond
Lactarius tabidus	Comp 521 woods behind Vale of Health Pond
Mycena rosea	Comp 521 woods behind Vale of Health Pond
Mycena galopus	Comp 521 woods behind Vale of Health Pond

Clitocybe nebularis	Comp 521 woods behind Vale of Health Pond
Clitocybe nebularis	Comp 521 woods behind Vale of Health Pond
Clitocybe nebularis	Comp 521 woods behind Vale of Health Pond
Clitocybe nebularis	Comp 521 woods behind Vale of Health Pond
Rhodocollybia butyracea	Comp 521 woods behind Vale of Health Pond
Stropharia caerulea	Comp 1,141 opp Kiddies Play area
Xylaria hypoxylon	Comp 1,141 opp Kiddies Play area
Pholiota gummosa	Comp 1,141 opp Kiddies Play area
Tricholoma fulvum	Comp 1,141 opp Kiddies Play area
Lactarius glyciosmus	Comp 1,141 opp Kiddies Play area
Entoloma rhodopodium	Comp 1,141 opp Kiddies Play area
Daedaleopsis confragosa	Comp 1,141 opp Kiddies Play area
Clavulina coralloides	Comp 1,141 opp Kiddies Play area
Clitocybe metachroa	Comp 1,141 opp Kiddies Play area
Pholiota squarrosa	Comp 1,141 opp Kiddies Play area

Auricularia auricula judae	Comp 1,141 opp Kiddies Play area
Exidia nucleata	Comp 1,141 opp Kiddies Play area
Hypholoma fasciculare	Comp 1,141 opp Kiddies Play area
Mycena galopus	Comp 1,141 opp Kiddies Play area
Coprinellus micaceus	Comp 1,141 opp Kiddies Play area
Coprinus comatus	Comp 1,141 opp Kiddies Play area
Clitocybe nebularis	Comp 1,141 opp Kiddies Play area
Clitocybe vibecina	Comp 1,141 opp Kiddies Play area
Russula ochroleuca	Comp 1,141 opp Kiddies Play area
Inocybe sindonia	Comp 1,137
Mycena leptocephala	Comp 1,137
Inocybe flocculosa	Comp 1,137
Laccaria laccata	Comp 1,137
Clitocybe nebularis	Comp 1,128
Agaricus arvensis	Comp 1,128
Cortinarius saturninus	Comp 1,122
Clitocybe nebularis	Comp 1,152
Gymnopilus junonius	Comp 1,153

Lepista flaccida	Comp 1,153
Rhodocollybia butyracea	Comp 1,139
Entoloma rhodopodium	Comp 1,139
Clitocybe fragrans	Comp 1,139
Xylaria hypoxylon	Comp 1,139
Auricularia auricula judae	Comp 1,139
Rhodocollybia butyracea	Comp 1,139
Lactarius tabidus	Comp 1,231
Clitocybe nebularis	Comp 1,231
Tubaria conspersa	Comp 1,231
Leotia lubrica New to site	Comp 1,231
Coprinellus micaceus	Comp 533
Ascocoryne sarcoides	Comp 533
Daedaleopsis confragosa	Comp 533
Russula plumbeobrunnea	Comp 533
Russula atropurpurea	Comp 533
Amanita muscaria	Comp 1,229
Clitocybe nebularis	Comp 1,229
Amanita rubescens	Comp 1,229
Paxillus involutus	Comp 1,229
Paxillus involutus	Comp 1,229

Paxillus involutus	Comp 1,229
Lactarius tabidus	Comp 1,229
Mycena pura	Comp 1,229
Amanita muscaria	Comp 1,229
Amanita muscaria	Comp 1,229
Amanita muscaria	Comp 1,229
Daedaleopsis confragosa	Comp 1,229
Mycena galericulata	Comp 1,229
Macrotyphula juncea	Comp 1,229
Gymnopus peronatus	Comp 1,166
Psilocybe cyanescens	Comp 1,166

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Highgate Chain
15/11/2013
Species list and notes
by Andy Overall

Laccaria amethystina	Comp 1,016
Gymnopus confluens	Comp 1,016
Clitocybe nebularis	Comp 1,016
Clitocybe nebularis	Comp 1,028
Mycena inclinata	Comp 1,028
Rhodocollybia butyracea	Comp 1,028
Lactarius tabidus	Comp 1,028
Rhodocollybia butyracea	Comp 1,028
Russula fragilis	Comp 1,025 Stock Pond Western boundary
Clitocybe nebularis	Comp 1,025 Stock Pond Western boundary
Russula fragilis	Comp 1,032 Womens Pond Western boundary
Cortinarius cf. obtusus New to site & county	Comp 1,032 Womens Pond Western boundary

Mycena aetites	Comp 1,032 Womens Pond Western boundary
Laccaria laccata	Comp 1,032 Womens Pond Western boundary
Clitocybe metachroa	Comp 1,032 Womens Pond Western boundary
Mycena vitilis	Comp 1,056 pathside
Lepista flaccida	Comp 1,056 pathside
Clitocybe nebularis	Comp 1,056 pathside
Clitocybe nebularis	Comp 1,056 pathside
Mycena pura	Comp 1,056 pathside
Lepista nuda	Comp 1,056 pathside
Lepista flaccida	Comp 1,056 pathside
Clitocybe nebularis	Comp 1,056 pathside
Lactarius tabidus	Comp 1,055 small Birch and Elm copse
Lactarius tabidus	Comp 1,055 small Birch and Elm copse
Hebeloma fragilipes	Comp 1,055 small Birch and Elm copse
Hebeloma fragilipes	Comp 1,055 small Birch and Elm copse
Mycena galericulata	Comp 1,055 small Birch and Elm copse

Amanita muscaria	Comp 1,055 small Birch and Elm copse
Lepista nuda	Comp 1,055 small Birch and Elm copse
Chalciporus piperatus	Comp 1,055 small Birch and Elm copse
Clitocybe nebularis	Comp 1,055 small Birch and Elm copse
Clitocybe nebularis	Comp 1,055 small Birch and Elm copse
Otidea bufonia	Comp 1,055 small Birch and Elm copse
Mycena pura	Comp 1,055 small Birch and Elm copse
Laccaria laccata	Comp 1,055 small Birch and Elm copse
Peziza repanda	Comp 1,055 small Birch and Elm copse
Entoloma rhodopodium	Comp 1,054- On large fallen, decorticated tree trunk
Gynopilus spectabilis	Comp 1,054
Daedaleopsis confragosa	Comp 1,052 at north west corner of Mens Pond

Psathyrella prona	Comp 1,051 south west corner of Mens Pond
Lepista flaccida	Comp 1,051 south west corner of Mens Pond
Psathyrella multipedata	Comp 1,051 south west corner of Mens Pond
Gymnopilus penetrans	Comp 1,095 next to Tennis Court
Ramaria stricta	Comp 1,095 next to Tennis Court
Agaricus xanthodermus	Comp 1,108 corner next to staff yard
Chlorophyllum rhacodes	Comp 1,108 border with William Ellis School
Agaricus arvensis	Comp 1,050 east corner of mens pond
Inocybe geophylla var. geophylla var. geophylla	Comp 1,047 east side of boating pond
Infundibulicybe geotropa	Comp 1,047 east side of boating pond
Trametes gibbosa	Comp 1,024 east side of stock pond
Bulgaria inquinins	Comp 1,024 east side of stock pond
Lepista nuda	Comp 1,024 east side of stock pond
	Comp 1,173 upper fairground

Species lists and notes for each visit in order of date

Hampstead Heath-Dam Project
Fungi Survey-Hampstead Chain
22/11/2013
Species list and notes
by Andy Overall

Clitocybe metachroa	Comp 1,173 upper fairground
Pluteus nanus	Comp 1,173 upper fairground
Tremella mesenterica	Comp 1,173 upper fairground
Psathyrella tephrophylla	Comp 1,173 upper fairground
Rhodocollybia butyracea	Comp 1,173 upper fairground
Mycena rosea	Comp 1,173 upper fairground
Clitocybe nebularis	Comp 1,173 upper fairground
Clitocybe nebularis	Comp 1,173 upper fairground
Psathyrella pilluliformis	Comp 1,173 upper fairground
Pluteus cervinus	Comp 1,166 upper fairground sth end
Bisporella citrina	Comp 1,166 upper fairground
Scleroderma citrinum	Comp 1,166 upper fairground

Psathyrella spadiceogrisea	Comp 1,166 upper fairground
Lycoperdon pyriforme	Comp 1,166 upper fairground
Strobilurus tenacellus	Comp 1,166 upper fairground nr Ice House
Lepista flaccida	Comp 1,166 upper fairground nr Ice House
Clitocybe nebularis	Comp 1,166 upper fairground nr Ice House
Crepidotus variabilis	Comp 1,166 upper fairground nr Ice House
Naucoria escharioides	Comp 524 upper fairground, Ice House
Xerocomellus badius	Comp 521- Vale of Health
Rhodocollybia butyracea	Comp 521- Vale of Health
Paxillus involutus	Comp 521- Vale of Health
Lactarius plumbeus	Comp 521- Vale of Health
Lactarius glyciosmus	Comp 521- Vale of Health
Leccinum scabrum	Comp 521- Vale of Health
Inocybe geophylla var. geophylla var. geophylla	Comp 521- Vale of Health
Rhodocollybia butyracea	Comp 521- Vale of Health- woodland
Rhodocollybia butyracea	Comp 521- Vale of Health- woodland

Rhodocollybia butyracea	Comp 521-Vale of Health-woodland
Rhodocollybia butyracea	Comp 521-Vale of Health-woodland
Mycena vitilis	Comp 521-Vale of Health-woodland
Clitocybe nebularis	Comp 521-Vale of Health-woodland
Clitocybe metachroa	Comp 521-Vale of Health-woodland
Coprinellus micaceus	Comp 521-Vale of Health-woodland
Rhodocollybia butyracea	Comp 521-Vale of Health-woodland
Rhodocollybia butyracea	Comp 521-Vale of Health-woodland
Clitocybe vibecina	Comp 521-Vale of Health-woodland
Clitocybe nebularis	Comp 521-Vale of Health-woodland
Mycena vitilis	Comp 521-Vale of Health-woodland
Exidia nucleata	Comp 1,141-Opp. Kiddies playground-woodland
Mycena vitilis	Comp 1,141-Opp. Kiddies playground-woodland

Lactarius subumbonatus	Comp 1,141- Opp. Kiddies playground- woodland
Hypholoma fasciculare	Comp 1,141- Opp. Kiddies playground- woodland
Hypholoma fasciculare	Comp 1,231 - woodland
Lycoperdon perlatum	Comp 533 - woodland
Mycena pura	Comp 533 - woodland
Lactarius plumbeus	Comp 533 - woodland
Lactarius tabidus	Comp 533 - woodland
Clitocybe nebularis	Comp 533 - woodland
Mycena galopus	Comp 533 - woodland
Rhodocollybia butyracea	Comp 533 - woodland
Auricularia auricula judae	Comp 533 - woodland
Auricularia auricula judae	Comp 533 - woodland
Amanita muscaria	Comp 1.229- woodland
Paxillus involutus	Comp 1.229- woodland
Rhodocollybia butyracea	Comp 1.229- woodland
Lactarius tabidus	Comp 1.229- woodland
Mycena galericulata	Comp 522-Nr Ice House

Mycena galericulata	Comp 522-Nr Ice House
Lactarius tabidus	Comp 1,155 woodland south behind viaduct pond
Macrotyphula juncea	Comp 1,155 woodland south behind viaduct pond
Gymnopus confluens	Comp 1,155 woodland south behind viaduct pond
Mycena vitilis	Comp 1,155 woodland south behind viaduct pond
Lycoperdon perlatum	Comp 1,155 woodland south behind viaduct pond
Crepidotus variabilis	Comp 1,155 woodland south behind viaduct pond
Entoloma rhodopodium	Comp 1,139 south behind viaduct pond across Lime Ave
Clitocybe metachroa	Comp 1,139 south behind viaduct pond across Lime Ave
Clitocybe metachroa	Comp 1,139 south behind viaduct pond across Lime Ave
Clitocybe metachroa	Comp 1,139 south behind viaduct pond across Lime Ave
Gymnopus peronatus	Comp 1,139 heading west of Lime Ave

Rhodocollybia butyracea	Comp 1,139 heading west of Lime Ave
Lepista nuda	Comp 1,139 heading west of Lime Ave
Tricholoma scalpturatum	Comp 1,121 Poplar Nrt western corner of Fishing Pond
Clitocybe phyllophila	Comp 1,120 East Side of Fishing Pond
Mycena galopus	Comp 1,120 East Side of Fishing Pond
Clitocybe nebularis	Comp 1,114 East Side of Fishing Pond
Mycena archangeliaca	Comp 1,114 East Side of Fishing Pond
Pholiota squarrosa	Comp 1,122 north east side of Mixed Bathing Pond
Gymnopilus junonius	Comp 1,153 north east side of Mixed Bathing Pond
Crepidotus variabilis	Comp 1,154 next to hockey ptich
Mycena galopus	Comp 1,154 next to hockey ptich
Clitocybe nebularis	Comp 1,154 next to hockey ptich
Ciitocybe metachroa	Comp 1,154 next to hockey ptich
Mycena pura	Comp 1,154 next to hockey ptich
Mycena pura	Comp 1,154 next to hockey ptich

Psathyrella tephrophylla	Comp 1,156 next to hockey ptich
Melanoleuca polioleuca	Comp 1,156 next to hockey ptich
Lactarius subdulcis	Comp 1,156 next to hockey ptich
Pleurotus dryinus	Comp 1,156 next to hockey ptich
Daedaleopsis confragosa	Comp 1,157
Gymnopus erythropus	Comp 1,157
Hypholoma fasciculare	Comp 544
Mycena inclinata	Comp 544
Clitocybe metachroa	Comp 544
Rhodocollybia butyracea	Comp 544
Daldinia concentrica	Comp 544
Flammulina velutipes	Comp 1,165

Appendix 2

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Appendix 3

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