



South Dublin County Council Parks & Landscape Services Department

Inventory of Flora & Fauna in the Regional Parks of South Dublin County Council



LOCAL STUDIES

Foreword

This report comprises a comprehensive inventory of the flora, fauna and wildlife habitats in each of the five Regional Parks in the South Dublin administrative area, Tymon Park in Tallaght, Corkagh Park in Clondalkin and three linear parkways along the Dodder, Liffey and Griffeen River Valleys.

With increasing urbanisation of our cities and towns and the consequent distancing of the countryside from them, the preservation of nature and wildlife in amenity parklands is extremely important in enriching the urban living environment. The rich variety of habitats contained within the Regional Parks of South Dublin form a significant link in the overall network of wildlife corridors through Dublin's southern suburb. These parkland refuges permit the movement of wildlife and possess ecological characteristics essential to their survival. They also link the surrounding rural hinterland and the Dublin Mountains with city suburbia. The use-zoning and layout of all of the parks has been arranged to increase their bio-diversity and ecological value. Semi-natural areas and those zoned for nature conservation are bounded by complementary transition zones for passive recreation which form a buffer between areas which are more intensively managed for active recreation. While the extensive ecological and wildlife value of the Regional Parks is very evident, there have been no detailed studies previously undertaken to identify the range of flora, fauna and habitats present.

Our aim in undertaking this Wildlife Inventory of the Regional Parks is to ensure that they will continue to mature in the future with a harmonious co-existence between habitat conservation and the recreational and amenity demands of continuous urban growth. Of inherent importance is the conservation and enhancement of existing wildlife habitats while simultaneously fostering and promoting the development of new and regenerating habitat types. The Inventory will act as a baseline against which to monitor changes in the natural environment and provide appropriate data to develop actions to safeguard sensitive ecosystems. It will prove particularly useful in preparing information brochures and publicity material to encourage local schools and all those with an interest in nature study to visit the parks for outdoor education activities.

We hope that this Wildlife Inventory will become an essential and interactive resource for all who are interested in our wildlife heritage. While every effort has been made to ensure that this report is as inclusive as possible, it is inevitable that omissions will have been made. In this regard, we welcome the continued assistance of individuals and special interest groups in updating the Inventory. A checklist of the species recorded for each of the parks is available by request form the Parks & Landscape Services Department.

Finally, we would like to sincerely thank the Heritage Council for their generous financial support of this very worthwhile initiative and the many organisations, groups and individuals who provided a great deal of assistance in the preparation of the Wildlife Inventory.

Dr. Christy Boylan
Senior Parks Superintendent

November 1999



Summary

This report comprises a comprehensive inventory of the flora, fauna and wildlife habitats in each of five major parks in the South Dublin administrative area. The parks studied were Tymon Regional Park in Tallaght, Corkagh Regional Park in Clondalkin and three linear parkways along the Dodder, Liffey and Griffeen River Valleys. The Liffey Valley was sub-divided into three sections - Lucan Demesne from Lucan to Leixlip, Waterstown and Stewart's Hospital. An application for funding was made to the Heritage Council under the Wildlife Scheme 1999. A grant of £10,000 was allocated to undertake the project. The survey was conducted during August - November 1999 by BEC (Botanical & Environmental Conservation) Consultants. A full field study was carried out for each park to identify, list and map the flora, fauna and habitat types, including any rare and endangered species. The researchers also examined archived literature on wildlife in the parks and interviewed staff and members of the public in determining their results.

With increasing urbanisation of our cities and towns and the consequent distancing of the countryside from them, the presence of nature and wildlife in amenity parklands is extremely important in enriching the urban living environment. The rich variety of habitats contained within the parks of South Dublin form a significant link in the overall network of wildlife corridors through Dublin's southern suburb. These parkland refuges permit the movement of wildlife and possess ecological characteristics essential to their survival. While the extensive ecological and wildlife value of many of the parks is very evident, no detailed studies had previously been undertaken to identify the range of flora, fauna and habitats present.

Project Brief

- Compile an inventory of the flora, fauna and habitat types for each of the nominated parks.
- Describe the ecological assets of each park in terms of flora, fauna, habitats and rare and protected species
- Specify management recommendations that may be required to conserve certain species and habitats.
- Identify priority areas for nature conservation on site maps.
- Highlight the potential value of the parks surveyed for environmental education.



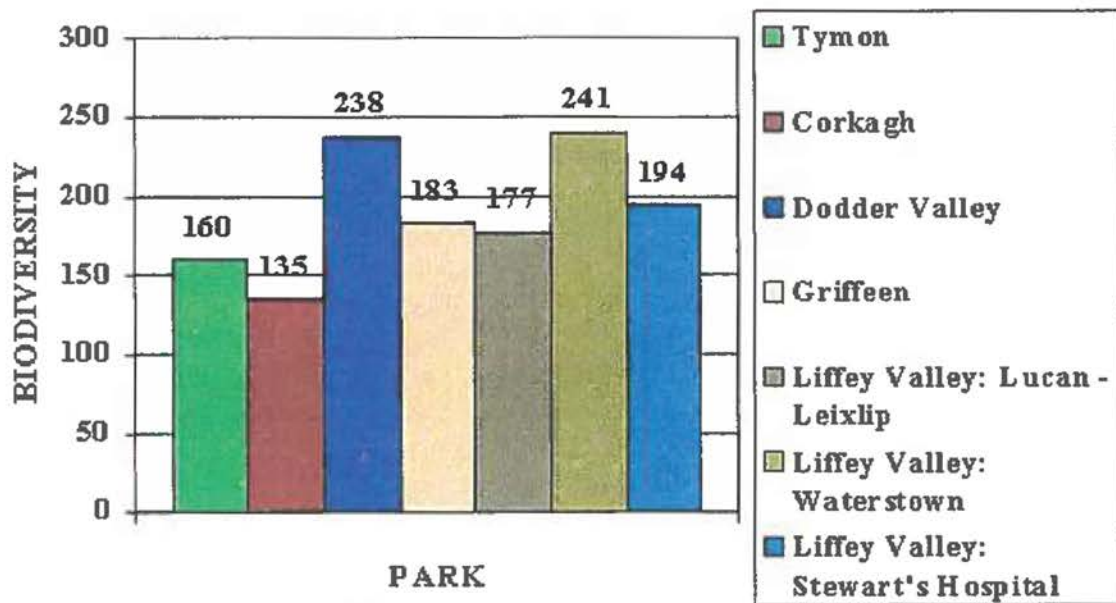
Analysis

The results of this survey are presented in a 30-page report with appendices and detailed habitat maps. The flora and fauna species observed and recorded within each park has been compiled and listed in a Microsoft Access® database. The following is an analysis of the survey data.

Biodiversity

Biodiversity scores were used to compare species diversity between the five Regional Parks. It was found that the Waterstown section of the Liffey Valley and the Dodder Valley had the highest diversity scores, whilst Tymon and Corkagh had the lowest. Although these scores are useful in making approximate comparisons between the nature conservation value of the five parks, it should be remembered that the higher biodiversity scores may be due to the parks having been sampled more thoroughly in recent times. However, the importance of Waterstown in the Liffey Valley should be recognised as the most diverse area of parkland surveyed in the South Dublin area.

Fig.1 Biodiversity Scores

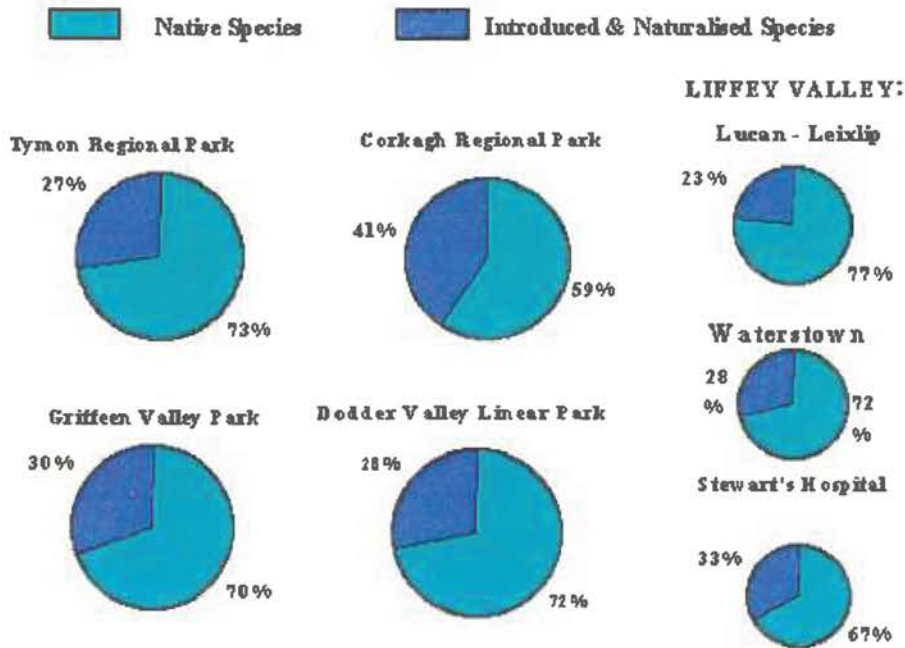


Note: Biodiversity was calculated as the number of native and naturalised species divided by the logarithm of each park.

Native Species

The Lucan Demesne section of the Liffey Valley was shown to have the highest percentage of native species (77%) followed closely by Tymon, Dodder Valley, Liffey Valley - Waterstown section and Griffeen Valley all containing at least 70% native species. The lowest percentage of native species was recorded at Corkagh Park. A contributing factor is the Commemorative Arboretum which contains many exotic or non-native species but this is considered a positive initiative in terms of its amenity value and biogeographical education.

Fig.2 Percentage Native Species



Species Numbers

In general, the Dodder Valley Park recorded the highest total of flora and fauna species (495). In particular, it scored highest for flowering plant species (328), animals (14), mosses (23), and amphibians (2). Liffey Valley and Griffeen Valley contained the highest numbers of bird and fish species with 86 and 13 species each respectively. The study of insects was limited to four scientific families to include high-visibility insects such as butterflies, dragon-flies, lady-birds, bees, wasps. Tymon Park showed the highest number of insect species (13). Species numbers recorded for fungi were highest in Corkagh Park (25) which also scored highest for conifers (33) and lichens (8). The highest number of fern species (9) was recorded in the Dodder Valley Park and Liffey Valley - Waterstown section. In general, lowest species numbers were recorded for the Lucan Demesne section of the Liffey Valley.

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Table 1: Analysis of Species Numbers

ANALYSIS OF SPECIES NUMBERS							
Park	Tymon	Corkagh	Dodder Valley	Griffeen Valley	Liffey Valley		
Category					Lucan - Leixlip	Waterstown	Stewart's Hospital
Flowering Plants	234	265	328	193	120	289	180
Birds	74	26	70	86	86	86	86
Animals	8	8	14	10	7	9	8
Fungi	17	25	16	7	3	10	1
Mosses	15	14	23	3	11	6	9
Conifers	4	33	9	5	2	4	9
Amphibians	-	1	2	1	1	-	-
Insects	12	6	8	1	4	7	6
Fish	2	2	8	13	13	13	13
Lichen	-	8	8	6	3	-	1
Ferns	3	6	9	4	5	9	5
Total No. of Species	369	394	495	329	255	433	318
Protected Species	5	2	5	3	4		
Biodiversity	160	135	238	183	177	241	194

Species Distribution

In Tymon Regional Park the greatest number of species were recorded within the woodland habitats. Areas managed as wildflower meadows retain grassland species of special interest such as the Pyramidal Orchid, *Anacamptis pyramidalis*.

The importance of the Camac River and the vegetation growing along its banks within Corkagh Regional Park is reflected in the highest species numbers being of waterside habitat.

With the dominance of the River Dodder as a feature of the Dodder Valley Park, it is not surprising that the waterside habitat also recorded highest species numbers. The vulnerable vascular plant species *Scrophularia umbrosa* occupies a niche within this habitat. Significantly high species numbers are also contained within the hedgerow habitats. The most important area of woodland in the Dodder Valley is the wetland area dominated by alder and willow species within the only designated Natural Heritage Area (NHA) in the five parks studied. This provides a habitat for the common frog which is protected under both Irish and EU legislation.

The waterside habitat along the Griffeen River in Griffeen Valley Park contained the highest number of species within the park. In particular, the extensive tree canopy and riverside vegetation produce a habitat where ferns and mosses flourish.

The Liffey Valley parklands are extremely important and are protected by a Special Amenity Area Order. These were surveyed as three individual units as follows: Lucan Demesne from Lucan to Leixlip; Waterstown; and Stewart's Hospital. Each displayed



very different habitat characteristics and species distribution patterns. While waterside species were highest in the Lucan to Leixlip section, the extensive grassland area of natural meadow is also considered an important feature. Two protected species of flora were observed within this habitat. In Waterstown, highest species numbers were also contained in waterside habitats. The Millrace is particularly highlighted as a significant habitat feature. The Stewart's Hospital section was dominated by hedgerow species.

Table 2: Species Distribution

ANALYSIS OF SPECIES NOS. AND HABITATS							
Park Habitat	Tymon	Corkagh	Dodder Valley	Griffeen Valley	Liffey Valley		
					Lucan - Leixlip	Waterstown	Stewart's Hospital
Woodland	125	88	76	108	40	54	46
Waterside	92	105	147	73	101	87	44
Hedgerow	90	96	115	56	-	80	74
Grassland	74	53	92	78	23	73	52
Wasteland	56	65	103	-	-	84	-
Scrubland	-	-	48	-	-	-	-
Proposed NHA	-	-	93	-	-	-	-
Walled Garden	-	61	-	-	-	-	-
Mill Pond	-	29	-	-	-	-	-

Protected Species

There are 11 species within the five parks surveyed that are protected under the Republic of Ireland 1976 Wildlife Act or the 1999 Flora Protection Order, or they are included in European Legislation. Each of the parks contains at least two protected species. The Dodder Valley Linear Park and Tymon Regional Park recorded the highest number of protected species within their boundaries, with 6 and 5 species respectively. Corkagh Park recorded the lowest number with only 2 protected species observed. This report recommends that more specific studies should be initiated in the future to obtain basic demographic data on these protected species.

Table 3: Protected Species recorded in South Dublin Parks

Brook Lamprey (*Lampetra planeri*)
 Atlantic Salmon (*Salmo salar*)
 Common Frog (*Rana temporaria*)
 Hedgehog (*Erinaceus europaeus*)
 Irish Hare (*Lepus timidus hibernicus*)
 Pipistrelle Bat (*Pipistrellus pipistrellus*)
 Badger (*Meles meles*)
 Otter (*Lutra lutra*)
 Ring Ouzel (*Turdus torquatus*)
 Tree Sparrow (*Passer montanus*)
 Hairy St. John's Wort (*Hypericum hirsutum*)



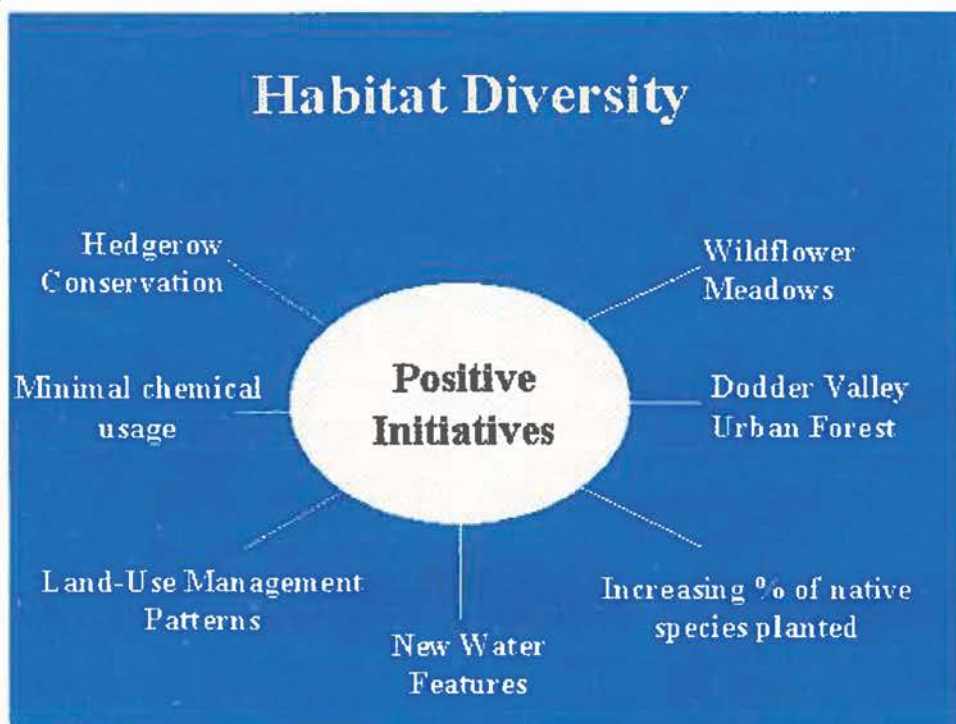
Habitat Diversity

In general, the current management practices in place within the five parks are maintaining the native biodiversity within them. In particular, the report commends the sensitive management of the hedges and waterways that have been retained and incorporated into the parks from the original landscape.

In recent years, traditional hedge laying techniques have been employed to maintain the hedges, particularly in Tymon Park and the Dodder Valley Park and this is considered as a positive development. The significant amount of grassland which is managed as traditional meadows, and cut only biannually or annually, has contributed greatly to the amount of diversity in the flora and fauna found in the parks. Recent tree plantings such as the Dodder Valley Urban Forest project include almost 70% native species and over 80% are native or naturalised species. In Corkagh Regional Park, the older parkland trees are important nesting sites for kestrels and the walled garden favours the presence of bat species. Several water features have been developed within Tymon Park along the River Poddle, providing a breeding ground for water-fowl and a habitat for amphibians and waterside insects species. The recently developed Limekiln lakes have been planted primarily using native aquatic species.

The use-zoning and layout of all of the parks has been arranged to increase their biodiversity and ecological value. Semi-natural areas and those zoned for nature conservation are bounded by complementary transition zones for passive recreation which form a buffer between areas which are more intensively managed for active recreation. This management regime is commended in the report as an efficient means of reconciling increasing demands for active recreation with a sustained wildlife presence.

Fig.3



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Survey Use

This report on the Wildlife of South Dublin's parks is an important educational resource for the whole community. The Microsoft Access® database and detailed maps which have been produced from the field survey will aid the production of information brochures and interpretative material for the parks and will enhance the quality of information available to the visiting public. It is planned to produce the information on CD-Rom which will be made available to all of the schools and libraries in the South Dublin area. The real value of this wildlife study will be achieved through regular updating and monitoring of the collated data to enable further comparative analysis. By producing the data on an interactive medium, such as CD-Rom, it is hoped to encourage the assistance of schools and wildlife interest groups in contributing information to the database through outdoor educational activities. It is also hoped to feature the survey data on the Council's web-site.

If the database is made widely available, it will serve to draw attention to the fact that up until now a disproportionate amount of studies have taken place in the Dodder and Liffey Valleys by comparison with Corkagh, Tymon and Griffeen.

The Wildlife Inventory will function as an important management tool for the Parks & Landscape Services Department in conserving the diversity of species and habitats in the park. In the preparation of management plans for the parks, a particular aim is to ensure that they will continue to mature in the future with a harmonious co-existence between habitat conservation and the recreational and amenity demands of continuous urban growth. Of inherent importance is the conservation and enhancement of existing wildlife habitats while simultaneously fostering and promoting the development of new and regenerating habitat types. The Inventory will act as a baseline against which to monitor changes in the natural environment and provide appropriate data to develop actions to safeguard sensitive ecosystems.

Finally, it should be noted that this survey was undertaken over a three-month period and represents the first stage in the development of a Wildlife Inventory for South Dublin's parks. An application is being made under the Heritage Council's Wildlife Scheme 2000 to undertake further field survey work during the spring / early summer period to take account of seasonal variations in species presence and ensure a comprehensive representation of wildlife significance for each of the parks.

Acknowledgements

The Parks & Landscape Services Department would like to sincerely thank the Heritage Council for their generous financial support of this very worthwhile initiative and the many organisations, groups and individuals who provided a great deal of assistance in the preparation of the Wildlife Inventory.

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January 2000*



**INVENTORY OF FLORA AND FAUNA
IN THE REGIONAL PARKS OF
SOUTH DUBLIN COUNTY COUNCIL**

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1. General Introduction

This project was commissioned in July 1999 by South Dublin County Council Parks Department to survey and compile a comprehensive inventory of the flora and fauna, and a detailed map of the wildlife habitats of selected parks. The field study was undertaken from August 1999 to October 1999. The parks selected for study were Tymon Regional Park in Tallaght, Corkagh Regional Park in Clondalkin and three linear parkways along the Dodder, Liffey and Griffeen River Valleys.

South County Dublin's suburban parkways are an important amenity and educational resource. They also provide habitats for many native Irish species of flora and fauna. The aim of this project was to provide the necessary baseline information for a database on the flora and fauna of the Regional Parks. This database would be an important educational resource that may be used to inform people of the biodiversity within the parks. The information in the database, and presented in this report, will also aid the long term planning and management of these parklands. Finally, the information will provide the knowledge to safeguard against detrimental changes in sensitive ecosystems and individuals or populations of rare species.

Aims of the project

- ❖ Compile an inventory of the flora, fauna and habitat types for each of the Regional Parks
- ❖ Describe the ecological assets of each of the parks i.e. flora, fauna, rare/protected species and habitats
- ❖ Specify management recommendations that may be required to conserve certain species and habitats
- ❖ Identify priority areas for nature conservation on a site map to enable this information to be utilised in site planning
- ❖ Highlight the potential value of the Regional Parks for environmental education

2. General Materials & Methods

2.1 Literature Search

An initial survey was carried out of all the available archived studies on the flora and fauna of the parks. These sources of information are referenced individually in the results section for each park and listed in the bibliography. A database was established using Microsoft Access[®] and the data from these surveys was entered.

2.2 Field Study

Following the literature search a full field study was carried out covering all areas of the parks and recording species present in each of the habitat types. The six broad habitat types that each of the parks were divided into are listed below with a definition for each habitat. Each of the habitats was defined by a combination of the plants typical of the habitat and the local terrain.



Grassland - grass species are the dominant vegetation type and the habitat is maintained by regular cutting.

Woodland – tree species such as oak, beech, alder, ash or conifers are dominant. Recent plantings in the Regional Parks, consisting of large numbers of willow, birch or poplar, were all classed also as woodland for this study.

Waterside – this habitat included all species growing in the immediate vicinity of an aquatic habitat. The aquatic habitat itself, which sometimes contained submerged or floating plants, was also included within this broad habitat type.

Hedgerow - an artificial habitat, which consists of linear arrangements of dominant shrub species with some tree species featuring.

Scrubland – a more open habitat than woodland where shrubs such as hawthorn, blackthorn and gorse are a significant feature but many grassland species remain in more open areas.

Wasteland - contains pioneer plants many of which are annual species. The habitat is open with many bare patches of soil.

When recording species data, uncertain identifications were collected and confirmed with the use of detailed keys and herbarium specimens. These included bryophytes, lichens and fungi which are difficult to identify in the field. A follow up field survey was carried out at the end of the study to collect fungi and late flowering species.

Nomenclature for the Vascular plants (Angiosperms and Pteridophytes) follows that used in the Flora of Dublin (1998), nomenclature for bryophytes follows Watson (1981), Lichens follow Dobson (1992) and the Fungi follow Phillips (1981). Birds are named using Heinzel *et al* (1973), mammals using Corbet & Harris (1991), amphibians using (Frazer, 1983) and insects using Chinery (1986). In addition, local staff from each of the parks was consulted with regard to their observations and knowledge of the parks in their care.

Habitat maps were sketched in the field and compiled on PC computer using the GIS software ArcView[®].

2.3 Assessment of rare and protected species

To assess which species are rare and protected, all species recorded during this survey, plus all species that have been recorded in the five Regional Parks in recent times were cross referenced against the two Irish Red Data Books that have been published to date. These are *The Irish Red Data Book: 1 Vascular Plants* (Curtis & McGough, 1988) and *The Irish Red Data Book: 2 Vertebrates* (Whilde, 1993). At present no red data books have been published for invertebrates, fungi, or bryophytes. Red data books provide an assessment of the rarity or threat to a particular species and they state the degree of protection afforded to this species by national or international law.



2.4 Assessment of biodiversity

Biodiversity was calculated for each of the five Regional Parks by using all eight groups of organisms recorded in the five parks. Only *Irish native species* (species which are indigenous to Ireland and for which there is no evidence that they arrived as a result of human activity) and *Irish alien species* (species which are definitely known to have been introduced as a result of human activity, and have become well established in the wild) were taken into account when calculating biodiversity. Other species cannot be defined as part of the natural ecosystem. The term *naturalised* is often used in place of alien. Biodiversity was calculated for each park as the number of native and alien species found in the park divided by the logarithm of the area of the park. The actual area of the park cannot be used, as there is not a linear relationship between the size of an area and the number of species that occupy it. For each habitat type, biodiversity was expressed as the total number of native and alien species recorded in the habitat. All recent data on the five Regional Parks collected during the literature search, and during the field study, was used when calculating the total biodiversity for each of the parks. However, the number of plants and fungi recorded during this field study were used to indicate the biodiversity in each of the habitats. The reason for this was that these two groups were the ones that it was possible to study most comprehensively during this survey, and previous studies had not specified the habitat types that species were recorded in, so it was not possible to include such data. Due to the fact that this study was only carried out over three months from August 1999 to October 1999, it was decided that it would make more sense to incorporate all recent studies to calculate biodiversity, rather than calculate biodiversity based on this survey alone. It is hoped that the simple calculations of biodiversity presented in this report can be used in the future to assess if there has been any significant changes in overall biological diversity in the five Regional Parks.



3. Tymon Regional Park

3.1 Introduction

Tymon Regional Park covers a total area of 130 hectares. The northern boundary of the park is the Greenhills Road. To the west, it is bounded by the Tymon North Distributor Road and the Castle Lawns Housing Estate, and to the east by the Limekiln Road, the Wellington and Kennington Housing Estates and the Spawell Leisure centre. The park is divided in two by the M50 motorway with two pedestrian footbridges to link the north and the south of the park. The River Poddle runs through the park and has been used to develop water features and lake habitats. The Parks Department developed the park in the early 1980's through the acquisition of agricultural land. Tymon Lane, an old country road, has been retained, as have many of the original mature hedgerows.

3.2 Results

During the literature search very little information was found relating to Tymon Park. However, Christy Moore, a ranger in the park, has produced an excellent wildlife inventory list.

The inventory list of the flora and fauna from this survey is shown in Appendix 1, and on the Microsoft Access® database. A habitat map for Tymon Park is shown in Appendix 2.

The biodiversity for the park was
$$\frac{339 \text{ Species}}{\text{Log}(130 \text{ ha})} = 160$$

This was the second lowest rating of the five Regional Parks. Table 1 shows the number of plant and fungi species that were recorded for each of the habitat types surveyed during this project.

Table 1. The five habitats located in Tymon Park and the number of native and alien plant and fungi species located in each of them during this project.

Habitat	No. of Species
Woodland	125
Waterside	92
Hedgerow	90
Grassland	74
Wasteland	56



3.3 Discussion

3.31 General features of the park and their management

Tymon Park has a diverse range of habitats (Appendix 2). Large areas of the park are occupied by playing pitches. However, between these pitches the hedgerows have been retained from the park's former agricultural land use. The retention of Tymon Lane and the associated hedges adds to the rural landscape of the park. In general, the Parks Department's policy to retain such a large number of the traditional hedges and the biodiversity these contain should be applauded. The fact that traditional hedge laying is now being employed to maintain the hedges is a further positive development. Some fields not used as pitches are managed as wild flower meadows and retain grassland species of interest such as the Pyramidal Orchid *Anacamptis pyramidalis*. The policy of setting aside areas for traditional grass meadows should be continued. At present, a substantial amount of the woodland in the park contains a significant percentage of non-native species. Future planting schemes should aim to increase the proportion of native Irish species in the park; figures provided by South Dublin County Council show that in some recent tree plantings 70% of the individuals are native and over 80% are native or naturalised species.

Several water features have been developed within the park along the river Poddle, providing a breeding ground for water-fowl. The Tymon lakes are planted with many non-native species and are maintained as a visual amenity for visitors to the park. The Limekiln lakes were recently developed as flood attenuation for the River Poddle, and have been planted with the Flowering Rush (*Butomus umbellatus*) amongst other species. The Wellington lakes were also developed more recently but have been colonised by native aquatic flowering species providing a habitat for amphibians (eg. *Rana temporaria*- the Common Frog) and aquatic waterside insect species (eg. *Enallagma cyathigerum*- the Common Blue Damselfly). The development of lake systems that are left to be colonised by local indigenous species is a good example of how sensitive management regimes can be used to increase the amount of native biodiversity found within a park.

Biodiversity in Tymon Park was the second lowest for the five Regional Parks with this survey showing the woodland habitat to contain the most plant and fungi species. Although the quantification of the biodiversity within the park and the number of species in each habitat are useful aids when making conservation decisions, it should be remembered that this survey was only conducted over a 3 month period.

3.32 Management recommendations

a) Species conservation

There are 5 species that have been located in Tymon Park either during this survey or in recent times (Appendix 1) that are protected under the Republic of Ireland 1976 Wildlife Act. These are listed in table 2. For further information on Red Data Book Categories and the definitions of the Annexes of each of the European Directives, Whilde (1993) should be consulted.



Table 2. Species found in Tymon Park protected under the Republic of Ireland 1976 Wildlife Act. The legal status of the species under the Birds Directive: EC Directive on the Conservation of Wild Birds (79/409/EEC) and the Habitats Directive: EC Directive on the Conservation of Natural Habitats and of Wild Fauna and Flora (92/43/EEC) are also listed.

Species	Irish Red Data Book Category	European Legislation
Common Frog (<i>Rana temporaria</i>)	Internationally Important	Habitats Directive (Annex V)
Ring Ouzel (<i>Turdus torquatus</i>)	Rare	None
Tree Sparrow (<i>Passer montanus</i>)	Indeterminate	None
Pipistrelle Bat (<i>Pipistrellus pipistrellus</i>)	Internationally Important	Habitats Directive (Annex IV)
Badger (<i>Meles meles</i>).	Internationally Important	None

The management recommendations for each of the protected species are listed below. It should be noted that only recommendations that are specific to Tymon Park are listed here. General recommendations that are common to the five Regional Parks are listed in the General Discussion (Section 8).

The Common Frog – To preserve the habitat of this species, drainage schemes and water pollution should be avoided in the park, especially in the area of the Wellington lakes where the species was recorded during this survey.

The Ring Ouzel – In Ireland this species is either a summer breeding visitor or a passage migrant in spring and autumn (Whilde, 1993). The species is known to feed on invertebrates and fruits such as elderberries (Whilde, 1993). Consequently, the use of excessive pesticides or removal of fruit bearing tree species may stop the species using the park for feeding. It is unlikely that the Ring Ouzel uses the park for nesting as it usually nests in open uplands dominated by heather and bracken and in rock scree areas (Whilde, 1993). It should also be noted that the species is a very uncommon visitor to the park.

Tree Sparrow – This is a resident species that feeds on seeds and insects. The management recommendations listed above for the protection of the Ring Ouzel’s food source would also apply for this species. The Tree Sparrow nests in lightly wooded areas and Whilde (1993) proposed that the erection of nest boxes at traditional sites may have a beneficial effect.

Pipistrelle Bat – there is currently only evidence that this species uses the park as a feeding ground for insects and not as a roosting site (C. Moore, pers. comm.).

Badger – the monitoring and preservation of the three sets shown on the habitat map for the park (Appendix 2) and the surrounding area are the best conservation measure for this species.



b) Developing the key ecological assets of the park

To increase the amenity and educational value of the park, it would be advisable to publicise 5 short walks that would introduce the public to examples of the diversity of habitats located in the park. From a public safety perspective, it is probably not advisable to promote a walk through the more dense woodland areas. The walks marked on the map (Appendix 2) are:-

1. hedges and lanes that have been incorporated into the park from the original rural landscape
2. open mixed deciduous woodland
3. native grassland and aquatic habitats
4. wildfowl and birds of aquatic habitats

There should be accompanying educational material in the form of leaflets and publicity boards for each of the walks. It is also important that that management practices that are currently employed to maintain these habitats are not altered to the detriment of the habitat. Detrimental management practices would include:-

- the removal of hedges
- drainage of wet areas
- planting of native or non-native species that will disrupt the natural ecosystem
- inappropriate use of pesticides or herbicides

The only non-favourable practice that was observed in Tymon Park was the planting of trees and shrubs that were not sensitive to the natural ecosystem eg. the use of conifer planting in a formally wet area between the Tymon Lakes and the West-Link.



4. Corkagh Regional Park

4.1 Introduction

Corkagh Park was developed from the original Corkagh Demesne. The park covers 117 hectares and is bounded to the south by the Naas road, to the east and north-east by Clondalkin housing estates and to the west and north-west by agricultural land. Camac Valley Caravan and Camping park is incorporated into the south-west of the park. Original features from the estate have been retained such as mature trees and hedgerows, an old walled garden and a millpond. The Camac River flows through the park and the remnants of millraces that would have been directed off the main flow are also obvious.

4.2 Results

As for Tymon Park there was very little published information available for Corkagh Park.

The inventory list of the flora and fauna is shown in Appendix 3 and a habitat map for Corkagh Park is shown in Appendix 4.

The biodiversity for the park was
$$\frac{279 \text{ Species}}{\text{Log}(117 \text{ ha})} = 135$$

This was the lowest rating of the five Regional Parks. Table 3 shows the number of plant and fungi species that were recorded for each of the 5 habitat types surveyed during this project, plus the total number of species in two particularly interesting features of the park, the Walled Garden and the Millpond.

Table 3. The five habitats located in Corkagh Park and the number of native and alien plant and fungi species located in each of them during this project. The total number of species found in the Millpond and the walled garden are also listed.

Habitat	No. of Species
Waterside	105
Hedgerow	96
Woodland	88
Wasteland	65
Grassland	53
Walled Garden	61
Millpond	29



4.3 Discussion

4.31 General Features of the Park and their management

The hedges and banks along the Camac River contain a large proportion of the diversity of species found in the park. The river also encompasses some of the features that predate the establishment of the municipal park such as the Old Mill Pond. The most notable of the park's older features is the Walled Garden which provides a roosting site for the protected bat species *Pipistrellus pipistrellus*. Any management plans for the Walled Garden should ensure that this protected species continues to use the site. It is recommended that Brian Keeley from the Dublin Bat group should be contacted to advise on the conservation of the bats within the park.

The grassland in the park is currently being subjected to two different management regimes. Certain areas are utilised for recreation while others are utilised for nature conservation. The area in the west of the park is only cut once a year to develop as a wild flower meadow and help conserve biodiversity. The remaining areas of grassland are managed as amenity areas with the eastern edge of the park containing two baseball fields and soccer pitches. This management regime, whereby some areas of the park are designated for nature conservation and others for recreational sports, allows these two important functions of the park to be carried out efficiently and should be continued where possible. The majority of the woodland in Corkagh Park is mixed deciduous planting that has been carried out since the County Council assumed management of the area. However, older trees that were retained from when the area was still a demesne can be found throughout the park and especially along the Camac River. Some of these older trees provide nesting sites for kestrels. The area around the original courtyards of the demesne is now the location of the park rangers lodge and administration area. There are many mature, exotic trees (trees that have been introduced from a foreign, especially tropical, country) in this region of the park. In the area to the east of the house is the Famine Commemorative Arboretum. It should be noted that the trees in the arboretum do not always match the continent indicated on the educational board, for example, some of the trees in the Australian section are not examples of native tree species from this continent. The Commemorative Arboretum is an excellent initiative. However, it may be advisable to consult with the Botanic Gardens in Glasnevin or Trinity College Botanic Gardens to ensure that the biogeographical information associated with each of the specimens is accurate.

The biodiversity recorded in Corkagh Park was the lowest of the five Regional Parks. However, it is quite probable that this is due to the fact that the park has been less intensely surveyed than the other Regional Parks. During this survey, the most biodiversity was recorded in the waterside habitat reflecting the importance of the Camac River and the vegetation growing along its banks.



4.32 Specific management recommendations

a) Species conservation

There are 2 species that have been located in Corkagh Park, either during this survey or in recent times (Appendix 3), that are protected under the Republic of Ireland 1976 Wildlife Act. These are listed in table 4. For further information on Red Data Book Categories and the definitions of the Annexes of each of the European Directives, Whilde (1993) should be consulted.

Table 4. Species found in Corkagh Park that are protected under the Republic of Ireland 1976 Wildlife Act. The legal status of the species under the Habitats Directive: EC Directive on the Conservation of Natural Habitats and of Wild Fauna and Flora (92/43/EEC) is also listed.

Species	Irish Red Data Book Category	European Legislation
Common Frog (<i>Rana temporaria</i>)	Internationally Important	Habitats Directive (Annex V)
Pipistrelle Bat (<i>Pipistrellus pipistrellus</i>)	Internationally Important	Habitats Directive (Annex IV)

The management recommendations for each of the protected species are listed below. It should be noted that only recommendations specific to Corkagh are listed here.

The Common Frog – the proposed construction of artificial lakes in the Corkagh Park will increase the area of habitat for this species.

Pipistrelle Bat – the old walled garden is a roosting site for the species and this area should be managed so that a secure sheltered roosting site is maintained. The roosting site is marked on the map (Appendix 4).

b) Developing the key ecological assets of the park

To increase the amenity and educational value of the park it would be advisable to publicise 2 short walks that would introduce the public to examples of the diversity of habitats located in the park. The walks marked on the map (Appendix 4) are:-

1. waterside habitat, hedges and lanes that have been incorporated into the park from the original rural landscape
2. native grassland species

There should be accompanying educational material in the form of leaflets and publicity boards for each of the walks. It is also important that the management practices that are currently employed to maintain these habitats are not altered to the detriment of the habitat. As for Tymon Park, detrimental management practices that could disrupt the natural ecosystem should be avoided. There are currently no situations in Corkagh Park where these practices are occurring.



5 Dodder Valley Linear Park

5.1 Introduction

The Dodder Valley Linear Park is probably the best known of the parks covered in this survey. In total, the park covers an area of 85 hectares and extends along the river Dodder for 7.5 km. The park is located on both sides of the river from Oldbawn Bridge to Templeogue Bridge and continues along the south side of the river as far as Rathfarnham Bridge, opposite Dublin Corporation's Bushy Park. A major proportion of the park's area is located on either side of the river between Oldbawn Bridge and Cheeverstown.

The Dodder Valley Linear Park is of particular importance between Oldbawn Bridge and Firhouse Bridge. This stretch incorporates an area designated as a Natural Heritage Area as well as the historical weir at Firhouse which dates back to the 12th Century.

5.2 Results

A large amount of information was available for the Dodder Valley Linear Park, in particular a survey carried out by Firhouse Community College and the Dodder Valley Linear Park Draft Management Plan (1996). Another important information source was Moriarty (1991).

The inventory list of the flora and fauna is shown in Appendix 5. A habitat map for the Dodder Valley Linear Park is shown in Appendix 6.

The biodiversity for the park was $\frac{459 \text{ Species}}{\text{Log}(85 \text{ ha})} = 238$

This was the second highest rating of the five Regional Parks. Table 5 shows the number of plant and fungi species that were recorded for each of the habitat types surveyed during this project. The number of species recorded in the proposed NHA is also shown in table 5.



Table 5. The six habitats located in the Dodder Valley Linear Park and the number of native and alien plant and fungi species located in each of them during this project. The number of species recorded in the NHA are also listed.

Habitat	No. of Species
Waterside	147
Hedgerow	115
Wasteland	103
Grassland	92
Woodland	76
Scrubland	48
Proposed NHA	93

5.3 Discussion

5.31 General Features of the Park

The dominant feature of the park is the River Dodder. Along a significant proportion of its length, the river is shaded by a narrow section of tree cover that is an important component of the waterside habitat in the park. Almost all of this tree cover appears to be the result of natural colonisation. The vulnerable vascular plant species *Scrophularia umbrosa* occupies a niche within this habitat. The most important area of woodland in the park is the area of wet Alder (*Alnus glutinosa*) and *Salix* dominated woodland within the only designated National Heritage Area (NHA) in the five South Dublin County Council Parks that were studied during this survey. The NHA (Appendix 6) is mostly a low-lying, seasonally flooded area which provides a habitat for the Common Frog and is the only location in the five parks where the Smooth Newt (*Triturus vulgaris*) has been observed. As is stated below, this proposed NHA should be managed particularly sensitively so that the array of wildlife that occupies the diverse habitats within the area remains. To aid the management of this site it is recommended that annual surveys of the area are carried out to monitor key groups such as plants, amphibians and birds.

Many of the hedges found within the park mark the perimeters of the original fields. The hedges in Cherryfield are of particular interest with the largest examples of *Taxus baccata* (Yew tree) found in the five parks amongst them. The grassland habitat of most interest is within the area of the ruined site near the proposed NHA (Appendix 6). This area contains many habitats including waste areas, grassland and scrub, and the fact that a succession of habitats can be viewed in the one area makes this section of the Dodder Valley quite interesting as an educational resource. The final habitat of note is the dry open scrub areas that are found along certain sections of the river (Appendix 6). These are dominated by Gorse (*Ulex galli*) and



characterised by gravel bank species such as Yellow-wort (*Blackstonia perfoliata*) and Marjoram (*Origanum vulgare*).

Large areas of trees are currently being planted in the Dodder Valley Park to create the Dodder Valley Forest and encouragingly, approximately 40% of the trees in the forest are native Irish species. To aid both the conservation and amenity aims of the tree-planting programme, it may prove useful in the future to compartmentalise the planted areas. Conservation areas could contain only native species from local seed stocks. Amenity areas could contain a wide array of alien and exotic species that would provide a habitat for local wildlife but also increase the diversity of species planted and the amenity value of the woodland.

The total biodiversity for the Dodder Valley Linear Park was the second highest of the five Regional Parks. A contributing factor is that the park has probably been surveyed more closely than any other in recent times. With the dominance of the Dodder River as a feature of the park, it is not surprising that the waterside habitat contained the most species of plants and fungi.

5.32 Specific management recommendations

a) Species conservation

There are 4 species of vertebrates that have been located in the Dodder Valley Linear Park, either during this survey or in recent times (Appendix 5), that are protected under the Republic of Ireland 1976 Wildlife Act. These are listed in table 6. Two species, Atlantic Salmon and the Irish Hare, not protected under the 1976 Wildlife Act, are also listed in table 6 as they have been named in the Habitats Directive. The protected species *Tyto alba* (Barn Owl) was recorded in the Bushy Park area of the River Dodder in 1979 (Shannon, 1979) but as it has not been observed in the area more recently it is not included in table 6.

Table 6. Species found in the Dodder Valley Linear Park that are either protected under the Republic of Ireland 1976 Wildlife Act or listed in the *Irish Red Data Book 2: Vertebrates* (Whilde, 1993). The legal status of the species under the Habitats Directive: EC Directive on the Conservation of Natural Habitats and of Wild Fauna and Flora (92/43/EEC) is also listed.

Species	Irish Red Data Book Category	European Legislation
Brook Lamprey (<i>Lampetra planeri</i>)	Indeterminate	Habitats Directive (Annex II)
Atlantic Salmon (<i>Salmo salar</i>)	Internationally Important	Habitats Directive (Annex II/V)
Common Frog (<i>Rana temporaria</i>)	Internationally Important	Habitats Directive (Annex V)
Hedgehog (<i>Erinaceus europaeus</i>)	Internationally Important	None
Irish Hare (<i>Lepus timidus hibernicus</i>)	Internationally Important	Habitats Directive (Annex V)
Badger (<i>Meles meles</i>)	Internationally Important	None



The management recommendations for each of the protected species are listed below.

The Brook Lamprey, Atlantic Salmon and the Common Frog – The greatest threats to the habitat of these species in the Dodder Valley Linear Park and throughout their range in Ireland are drainage schemes and water pollution. Therefore both of these practices should be avoided.

The Hedgehog and Irish Hare – During this survey neither of these species was observed within the park. Therefore it would be important to carry out population studies i.e. the number of individuals and their locations within the park, for these species before a specific management plan can be formulated.

Badger – The monitoring and preservation of the badger sets in the park and their surrounding area are the best conservation measure for this species. However, as for the Hedgehog and Irish Hare it is crucial to carry out a detailed population study before specific management recommendation can be decided upon.

In the Dodder Valley Linear Park there is also one vascular plant species, *Scrophularia umbrosa*, that is listed in the *Irish Red Data Book 1: Vascular Plants* (Curtis & McGough, 1988), although the species is not protected by the 1999 Flora Protection Order. One of the characters used to distinguish *Scrophularia umbrosa* from the more common *S. nodosa* is the shape of the staminode; floral character listed in Webb (1977). Unfortunately, due to the time of the year that the study was conducted there were very few intact flowers to examine. It is therefore recommended that a further study is made of this species next summer. The sites where the vulnerable species was found are shown on Appendix 6.

b) Developing the key ecological assets of the park

South Dublin County Council's proposed walk along the Dodder from Rathfarnham Bridge to Oldbawn Bridge is an excellent initiative that will provide the general public with an opportunity to view the main habitat types found in the park. To help explain the importance of each of the habitats, accompanying educational material in the form of leaflets and publicity boards may prove useful. The one area of the park in which it would not be advisable to create easy access is the NHA. To ensure that this habitat remains as intact as possible, it would be advisable to ensure that any walkway along the Dodder does not impinge on the area of the NHA. As stated above, the Dodder Valley Urban Forest is also a good concept, although as was also stated earlier it may prove more effective to manage the forest in separate areas dedicated to nature conservation and areas dedicated to public amenity.

The impacts of vandalism were observed on the Sand Martin colony in the vicinity of the proposed NHA. To prevent actions such as this and to encourage the local community to realise the importance of the 'wildlife on their doorstep', more educational material must be provided to both schools and local community groups. It would also prove useful to employ park rangers that are associated solely with the Dodder Valley Regional Park. They could perhaps operate from a central area such as the proposed Heritage park at the Firhouse Weir.



6 Liffey Valley Parklands

6.1 Introduction

The Liffey Valley Parklands include three separate parks, covering a total area of 107 hectares. The three areas are around Stewarts Hospital, Waterstown Park and a stretch of the River Liffey running from Lucan to Leixlip. The Liffey parklands are extremely important and are protected by a Special Amenity Area Order.

6.2 Results

Some information was already available for the Liffey parklands, but most publications refer to the Liffey in general and rarely to the individual areas. An exception was the survey carried out by the Dublin Naturalists Field Club (1991) on the section of park known as Waterstown Park, beside Palmerstown village.

The inventory list of the flora and fauna for the Liffey Valley Parklands are shown in Appendix 7. The three sections are divided as follows:

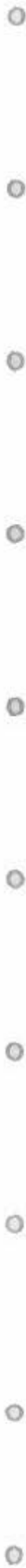
- a) Leixlip-Lucan stretch
- b) Waterstown Park
- c) Stewarts Hospital Grounds

Habitat maps for the Liffey Valley Parklands are shown in Appendix 8.

The biodiversity scores for each of the Liffey Valley Parklands were 241 for Waterstown Park, 194 for Stewarts Hospital Grounds and 177 for the Lucan-Leixlip stretch.

Table 7. The habitats located within each of the Liffey Valley Parklands and the number of native and alien plant and fungi species located in each of them during this project. When a habitat was not located within a park 'none' is used.

Habitats	Leixlip-Lucan No. of species	Waterstown No. of species	Stewarts Hospital No. of species
Waterside	101	87	44
Hedgerow	none	80	74
Grassland	23	73	52
Woodland	40	54	46
Wasteland	none	84	none



6.3 Discussion

6.31 General features of the Liffey Valley Parklands

a) Leixlip-Lucan

The Leixlip-Lucan stretch of the Liffey Parklands has been very sensitively managed with the grassland area retained as a natural meadow and the riverside providing a habitat for a diverse array of species. Two pathways run through the park area, one along the river and one through the meadow. This parkland is particularly interesting as it contains individuals of two Irish Red Data Book Species (Curtis & McGough 1988), *Scrophularia umbrosa* and *Hypericum hirsutum*. The locations of the individuals are marked on the habitat map (Appendix 8). There is also a weir (Appendix 8) that provides an interesting habitat for a diverse array of wetland and riverside plants.

This park presents the Liffey at its most attractive, with the overhanging mature trees of St. Catherines Wood on the far bank, and mature individuals and hedges on the park bank. It is recommended that the sensitive management of this park is continued to encourage both nature conservation, and its amenity value as a section of unspoilt rural landscape.

b) Waterstown Park

Waterstown Park is the largest area of park managed by South Dublin County Council along the River Liffey. Part of the site is a covered over tip head, but most of the area is relatively undisturbed. The Waterstown Park is also sensitively managed. A botanical and habitat survey of the site was carried out by the Dublin Naturalists Field Club (DNFC) in 1991. In their report they detailed the various habitats by virtue of their conservation importance. This report was used extensively when compiling the species inventory for this site.

The Millrace was highlighted by the DNFC (1991) report as being at risk due to a reduction in water flow and the growth of rank vegetation. Although this risk is still present, it was considered that the degree of vegetation growth assessed during this survey does not necessitate a change in management practice concerning the Millrace. However, the middle stretch of the millrace, beside the lower meadow may become too overgrown in the near future and should be regularly monitored to avoid a few species becoming dominant at the expense of species diversity. If any clearance of vegetation from the site is undertaken care should be taken to avoid colonies of *Butomus umbellatus*.

Waterstown Park with its diverse number of habitats had the highest biodiversity score of all the parks that were surveyed. As for the Dodder Valley Park, the high biodiversity score may be due to the fact that the park has been extensively surveyed prior to this survey. Nevertheless the park should be recognised as the most diverse of those surveyed and its sensitive management continued.



Developing the key ecological assets of the park

Although the River Liffey is the dominant feature of the park other important features are marked on the habitat map (Appendix 8) these are:-

1. the most extensive area of naturally managed meadow grassland in the five SDCC parks that were studied
2. hedges that have been incorporated into the park from the original rural landscape
3. the area of scrub and small trees that provides an ideal habitat for small birds such as finches etc.

Current management practices in the park should be continued to ensure the existence of these three habitat types and the detrimental management practices listed in section 3.32 should be avoided. In addition, any further developments of the park amenities in the Waterstown area would have to be carefully assessed. Particular care would have to be taken not to affect the habitats around the River Liffey and the Millrace. The practice of planting non-native species e.g. *Populus* species in such a 'natural' park should be avoided, as was recommended by the 1991 DNFC report.

Threats to the wildlife in Waterstown Park are particularly acute due to poachers in the area. The Badger sets in the park (Appendix 8) are particularly at risk, and have been damaged and robbed several times in the past (S. Lombard pers. com.). Measures will have to be taken to increase the protection given to this species. As was the case with the Sand Martin colony in the Dodder Valley, the education of the local community will be extremely important in raising the awareness of the public and ultimately leading to local initiatives, such as a badger watch.

c) Stewarts Hospital

The third section of the Liffey Valley Parklands surveyed were the grounds of Stewarts Hospital. The only entrance to this park was via Mill Lane off the Lucan Road. The path through the site leads you past ornamental hedges and banks to an area of playing pitches flanked on the far side by the River Liffey. When the area was surveyed, the water level was low and many interesting riverside plants were recorded such as *Scrophularia umbrosa*, *Polygonum hydropiper* and *Ranunculus scleratus*. At the corner of the pitch area, a path continues through a riverside woodland walk dominated by Ash trees (*Fraxinus excelsior*) and Beech (*Fagus sylvatica*), and out into an atypical meadow habitat, due to the fact that stands of ornamental trees are found throughout the meadow.

Active sport is the main recreational use for this park. The woodland walk is gradually becoming overgrown and dangerous as it is probably rarely used due to the lack of an exit at the far end. There are also no pathways laid out through the meadow and the grass here seems to be unmanaged and reverting to scrub. It is recommended that the meadow is cut regularly and managed to prevent it reverting to scrub. A decision must also be made by South Dublin County Council on whether or not to reopen the woodland walk.



6.32 Specific management recommendations

a) Species conservation

There are 2 species of vertebrates that have been located in the Liffey Valley Parklands (Appendix 7) that are protected under the Republic of Ireland 1976 Wildlife Act. These are listed in table 8. For further information on Red Data Book Categories and the definitions of the Annexes of each of the European Directives, Whilde (1993) should be consulted. One species, Atlantic Salmon, not protected under the 1976 Wildlife Act is also listed in table 8 as it has been named in the Habitats Directive. The protected species *Rana temporaria* was not recorded in the area of the River Liffey during this survey, but it is quite likely that it is found in the Liffey Valley Parklands.

Table 8. Species found in Liffey Valley Parklands that are either protected under the Republic of Ireland 1976 Wildlife Act or listed in the *Irish Red Data Book 2: Vertebrates* (Whilde, 1993). The legal status of the species under the Habitats Directive: EC Directive on the Conservation of Natural Habitats and of Wild Fauna and Flora (92/43/EEC) are also listed.

Species	Location along the Liffey	Irish Red Data Book Category	European Legislation
Atlantic Salmon (<i>Salmo salar</i>)	General	Internationally Important	Habitats Directive (Annex II/V)
Otter (<i>Lutra lutra</i>)	Waterstown	Internationally Important	Habitats Directive (Annex II/IV)
Badger (<i>Meles meles</i>)	Waterstown	Internationally Important	None

The management recommendations for each of the protected species are listed below.

Atlantic Salmon – The greatest threats to the habitat of this species in the Liffey Valley Parklands and throughout its range in Ireland are drainage schemes and water pollution. Therefore both of these practices should be avoided.

The Otter – During this survey this species were not observed along the River Liffey. Therefore it would be important to carry out population studies i.e. the number of individuals and their locations along the river before a specific management plan can be formulated.

Badger – The monitoring and preservation of the badger sets, in the park and their surrounding area, are the best conservation measure for this species. As stated above, careful monitoring is required to preserve the sets in Waterstown.

In the Liffey Valley Parklands there are two vascular plant species, Hairy St. John's Wort (*Hypericum hirsutum*) and Green Figwort (*Scrophularia umbrosa*), that are listed in the *Irish Red Data Book 1: Vascular Plants* (Curtis & McGough, 1988). The status of these two vascular plant species is listed in table 9.



Table 9. Vascular plant species found in the Liffey Valley Parklands that are listed in the *Irish Red Data Book 1: Vascular plants* (Curtis & McGough, 1988).

Species	Location	Irish Red Data Book Category
<i>Scrophularia umbrosa</i> ¹	Leixlip-Lucan/Stewarts Hospital	Vulnerable
<i>Hypericum hirsutum</i>	Leixlip-Lucan	Vulnerable and Protected

¹Not protected by the 1999 Flora protection Order

The sites where each of these species was found are shown on Appendix 8. For the vulnerable species *S. umbrosa*, its habitat is along the edge of rivers and streams, usually under an open woodland canopy or a hedge. *H. hirsutum* also grows under an open woodland canopy or along hedges. Although its habitat is wet woodland it does not grow as close to the waters edge as *S. umbrosa*. To retain both of these species it is important that the current habitat is maintained at the sites where they have been recorded by the continuation of management practices in these areas.



7. Griffeen Valley Park

7.1 Introduction

The Griffeen Valley Park covers an area of 49 hectares and runs along the Griffeen River, with some smaller outlying park areas among housing developments to the west. The main area of the park is split by the Lucan By-Pass with Vesey Park on one side and Griffeen Park on the other. There is no bridge providing direct access between the two parks

7.2 Results

As with Tymon Park and Corkagh Park, very little information was available for Griffeen Park.

The inventory list of the flora and fauna is shown in Appendix 9 and a habitat map for Griffeen Park is shown in Appendix 10.

The biodiversity score for the park was
$$\frac{310 \text{ Species}}{\text{Log}(49 \text{ ha})} = 183$$

Table 10 shows the number of plant and fungi species that were recorded for each of the habitat types surveyed during this project.

Table 10. The four habitats located in Griffeen Park and the number of native and alien plant and fungi species located in each of them during this project.

Habitat	No. of Species
Woodland	108
Grassland	78
Waterside	73
Hedgerow	56

7.3 Discussion

7.31 General Features of the Park

The most important feature of the Griffeen Valley Park is the old woodland in Vesey Park that was retained since the park was formed. This woodland is most extensive along the Griffeen River and contains mature deciduous and coniferous trees. The most important area on the river is the wet woodland containing the most extensive fern and bryophyte growth recorded in the five parks surveyed. It is essential that the closed tree canopy, the small stream flowing into the Griffeen River and the large amount of tree debris in this area are not disturbed. These three factors all contribute to producing a habitat where ferns and bryophytes can



flourish. The woodland on the Lucan Village side of Vesey Park also provides the habitat for the protected species *Hypericum hirsutum*.

The biodiversity score for Griffeen park was the third highest of the five parks that were studied. The woodland habitat contained the largest proportion of the plant and fungi diversity recorded during this survey and contributed greatly to the overall species diversity within the park.

7.32 Specific management recommendations

a) Species conservation

There are 2 species of vertebrates that have been located in the Griffeen Valley Park, either during this survey or in recent times (Appendix 9), that are protected under the Republic of Ireland 1976 Wildlife Act. These are listed in table 11. For further information on Red Data Book Categories and the definitions of the Annexes of each of the European directives, Whilde (1993) should be consulted.

Table 11. Species found in the Griffeen Valley Park that are protected under the Republic of Ireland 1976 Wildlife Act. The legal status of the species under the Habitats Directive: EC Directive on the Conservation of Natural Habitats and of Wild Fauna and Flora (92/43/EEC) is also listed.

Species	Irish Red Data Book Category	European Legislation
Otter (<i>Lutra lutra</i>)	Internationally Important	Habitats Directive (Annex II/IV)
Hedgehog (<i>Erinaceus europaeus</i>)	Internationally Important	None

The management recommendations for each of the protected species are listed below.

The Otter – During this survey this species were not observed along the Griffeen River. Therefore it would be important to carry out population studies i.e. the number of individuals and their locations along the river before a specific management plan can be formulated.

The Hedgehog – This species was also not observed during this survey so it is important that population studies are conducted before a management plan for the species is drawn up.

In Vesey Park *Hypericum hirsutum* was located at the sites shown in Appendix 10. This species is listed in the *Irish Red Data Book 1: Vascular Plants* (Curtis & McGough, 1988) and protected under the 1999 Flora protection Order. The habitat for this species is open woodland edge. It is possible that reasonably well used pathways through Vesey Wood keep the site open enough for *H. hirsutum* to thrive.



b) Developing the key ecological assets of the park

To increase the amenity and educational value of the park it would be advisable to publicise one short walk in the park that would introduce the public to examples of the diversity of habitats located in the park. The walk is marked on the site map (Appendix 10):-

1. woodland biodiversity

There should be accompanying educational material in the form of leaflets and publicity boards for the walk. It is also important that that management practices that are currently employed to maintain this habitats are not altered to the detriment of the habitat.



8 General Discussion

The results of this survey of the five Regional Parks within the administrative area of South Dublin County Council Parks, in conjunction with previous studies of these areas, provides the necessary baseline data for the informed long term planning and management of these parklands. The aims of the project have been completed with the compilation of a flora and fauna inventory, a description of the ecological assets of each of the parks and the proposal of management recommendations and further studies that are required for the conservation of specific species and habitats.

Biodiversity scores were used to compare species diversity between the five Regional Parks and it was found that Waterstown and the Dodder Valley had the highest diversity scores, whilst Tymon and Corkagh had the lowest. Although these scores are useful in making approximate comparisons between the nature conservation value of the five parks, it should be remembered that the higher biodiversity scores could be due to the parks having been sampled more thoroughly in recent times.

There are 11 species within the five Regional Parks that are protected under Irish law or by European legislation. Each of the parks contains at least two protected species with the Dodder Valley Linear Park and Tymon Regional Park having had the most protected species recorded within their boundaries, with 6 and 5 species respectively. Corkagh with only two protected species, had the least number of protected species recorded within it. It is also important to note that of these protected species, only the number of sites that the Badger and Hairy St. John's Wort occupy are known. In the future, more specific studies must be initiated to obtain basic demographic data on these protected species

Table 12. The species located in the five SDCC Parks that are protected by Irish law under the Republic of Ireland 1976 Wildlife Act or the 1999 Flora Protection Order, or they are included in European Legislation.

Protected Species
Brook Lamprey (<i>Lampetra planeri</i>)
Atlantic Salmon (<i>Salmo salar</i>)
Common Frog (<i>Rana temporaria</i>)
Hedgehog (<i>Erinaceus europaeus</i>)
Irish Hare (<i>Lepus timidus hibernicus</i>)
Pipistrelle Bat (<i>Pipistrellus pipistrellus</i>)
Badger (<i>Meles meles</i>)
Otter (<i>Lutra lutra</i>)
Ring Ouzel (<i>Turdus torquatus</i>)
Tree Sparrow (<i>Passer montanus</i>)
Hairy St. John's Wort (<i>Hypericum hirsutum</i>)



In addition to conserving the diversity of species and habitats in the park, it is also important that educational material is developed to inform the visiting public. The Microsoft Access® database and detailed maps that have been produced as part of this survey will aid the production of educational and interpretative material. If the database is made widely available, it will also serve to draw attention to the fact that up until now a disproportionate amount of studies have taken place in the Dodder and Liffey Valleys by comparison with Corkagh, Tymon and Griffeen. South Dublin County Council will be able to use the database to encourage local schools and interested groups to use the parks as an educational resource and where possible contribute information to the database.

In general, the current management practices in place within the five parks are maintaining the native biodiversity within them. In particular, the sensitive management of the hedges and waterways that have been incorporated into the Regional Parks from the original landscape should be commended. The significant amount of grassland managed as traditional meadows, that are only cut biannually or annually, has contributed greatly to the amount of diversity in the flora and fauna found in the parks. As a consequence of this survey, it is recommended that the following management practice should be considered:-

1. If the aim of a tree planting scheme is to increase native biodiversity, where possible native Irish tree species from local indigenous seed should be used. For example one native species of Oak, (*Quercus petraea*), Holly (*Ilex aquifolium*), Hawthorn (*Crataegus monogyna*) and Blackthorn (*Prunus spinosa*) are not included in the species mix for the Dodder Valley Urban Forest.
2. For amenity planting, a greater range of species should be included with more initiatives such as the Famine Commemorative Arboretum in Corkagh Park. In particular, interesting species such as the Magnolia tree could be planted more frequently to increase the diversity of exotic species within the parks.
3. The development of new lake features should follow the example of the lakes in Tymon Park. Some of the lakes have good public access and serve more of an amenity function whereas others only have limited access and are developed to conserve local biodiversity eg. the Wellington Lakes in Tymon Park. The construction of features in the vicinity of the lakes that encourage nesting birds should also be carried out where possible. It should be noted that lakes are a feature that attract the public into a park.

10. Future Projects

As this study was mostly conducted during August and September 1999, it had to rely on reports listed in the bibliography to find records of species that would have been missed due to seasonal or annual variations in the presence of many species. Therefore, it is recommended that a project is commissioned in the future to carry out a re-survey of the five parks in Spring/Early Summer 2000. Finally, in addition to the database produced during this survey being made available to the general public it should also be utilised for training

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APPENDICES

Appendix 1 – Inventory of Tymon Regional Park

Appendix 2 – Habitat map of Tymon Regional Park

Appendix 3 – Inventory of Corkagh Regional Park

Appendix 4 – Habitat map of Corkagh Regional Park

Appendix 5 – Inventory of Dodder Valley Linear Park

Appendix 6 – Habitat map of Dodder Valley Linear Park

Appendix 7 – Inventory of Liffey Valley Parklands

- a) Leixlip stretch
- b) Waterstown Park
- c) Stewart's Hospital

Appendix 8 – Habitat map of Liffey Valley Parklands

- a) Leixlip stretch
- b) Waterstown Park
- c) Stewart's Hospital

Appendix 9 – Inventory of Griffeen Valley Park

Appendix 10 – Habitat map of Griffeen Valley Park



Reference	Reference
CO	Charlie O'Neill, BirdWatch Ireland Dodder Valley Branch
CY 99	Moore, C., (1999), Flora and Fauna of Tymon Park, Unpublished Inventory.
BS 85	Strickland, B, (1985), Liffey Valley Study, Unpublished Bird Inventory.
DNFC	Dublin Naturalists' Field Club, (1991), Survey and Report on Waterstown Park, Palmerston, Dublin, Unpublished Survey and Inventory.
FCC	Firhouse Community College, (1988), Survey carried out by Pupils of Firhouse Community College, Unpublished school survey.
EH 88	Healy, E., Moriarty, C. & O'Faherty, G., (1988), The Book of the Liffey, Wolfhound Press, Dublin.
CM 91	Moriarty, C., (1991), Down the Dodder, Wolfhound Press, Dublin.
ASI 88	Goodwillie, R., Ní Lamhna, E. & Webb, R., (1988), A Second Report on Areas of Scientific Interest in County Dublin, Unpublished Report for Dublin County Council.
BWI 99	Bryan, M., (1999), Birds of the Dodder Valley, BirdWatch Ireland South Dublin Branch.
JS 79	Shannon, J., (1979), Bushy Park Trail, Dublin Corporation Parks Department.
DFAG	Dublin Freshwater Angling Guide, (1999), Produced by the Eastern Regional Fisheries Board & Dublin Angling Initiative.
DVS 79	Goodwillie, R., Craig, M. & Haworth, R., (1973), Dodder Valley Survey, Unpublished Report for Dublin County Council.
INJ 35	Doyle, J., (1935), County Dublin Plants, Irish Naturalists Journal, 5: 307.
FD 98	Dublin Naturalists Field Club, (1998), The Flora of County Dublin, Dublin Naturalists Field Club.
TS	This Study
Rr pc	Ranger, personal communication
SL pc	Shane Lombard, personal communication
CY pc	Christy Moore, personal communication



Appendix 1 – Inventory of Tymon Regional Park



Angiosperm	Abutilon sp.			Planted							CY 99
Angiosperm	Acer campestre	Field maple		Alien		TS		TS	TS		CY pc, TS
Angiosperm	Acer pseudoplatanus	Sycamore	Crann Ban	Alien		TS		TS	TS		CY 99, TS
Angiosperm	Achillea millefolium	Yarrow	Athair talmhan	Native			TS	TS	TS		CY 99, TS
Angiosperm	Aesculus hippocastanum	Horse-Chestnut		Planted				TS	TS		CY 99, TS
Angiosperm	Agrostis gigantea	Black bent		Native	TS			TS	TS		TS
Angiosperm	Agrostis stolonifera	Creeping bent		Native	TS		TS	TS	TS		TS
Angiosperm	Alnus glutinosa	Alder	Feamog	Native		TS			TS		CY 99, TS
Angiosperm	Alopecurus pratensis	Meadow foxtail		Native			TS				TS
Angiosperm	Amelanchier laevis	Amelanchier		Planted					TS		CY 99, TS
Angiosperm	Anacamptis pyramidalis	Pyramidal orchid		Native					TS		CY pc, TS
Angiosperm	Anagallis arvensis	Scarlet pimpernel	Falcaire fiain	Native	TS		TS		TS		TS
Angiosperm	Anchusa arvensis	Bugloss Vipers		Native							CY 99
Angiosperm	Anemone nemorosa	Wood anemone	Neadooille	Native							CY 99
Angiosperm	Angelica sylvestris	Angelica		Native		TS					CY 99, TS
Angiosperm	Anthriscus sylvestris	Cow parsley		Native			TS	TS	TS		TS
Angiosperm	Antirrhinum majus	Snapdragon		Alien							CY pc
Angiosperm	Apium nodiflorum	Fool's watercress		Native		TS					TS
Angiosperm	Arctium minus	Burdock	Copog thuathail	Native			TS	TS			CY 99, TS
Angiosperm	Arrhenatherum elatius	Fake Oat		Native	TS	TS	TS	TS	TS		TS
Angiosperm	Arum maculatum	Lords and Ladies		Native				TS	TS		CY 99, TS
Angiosperm	Atropa belladonna	Woody nightshade		Alien							CY pc
Angiosperm	Barbarea vulgaris	Winter-ress		Native	TS		TS	TS			TS
Angiosperm	Bellis perennis	Daisy	Noithin	Native			TS		TS		CY 99, TS
Angiosperm	Berberis vulgaris	Barberry		Planted							CY 99
Angiosperm	Betula pendula	Silver birch	Beith	Native		TS	TS			TS	TS
Angiosperm	Betula pubescens	Downy birch	Beith	Native							CY 99, TS
Angiosperm	Brachypodium sylvaticum	False Brome		Native				TS	TS		TS
Angiosperm	Brassica rapa	Wild turnip		Probably introduced			TS				TS
Angiosperm	Bromopsis ramosa	Hairy brome		Native				TS	TS		TS
Angiosperm	Bromus sterilis	Barren brome		Native				TS			TS
Angiosperm	Buddleia davidii	Buddleia		Alien	TS						TS
Angiosperm	Bulboschoenus maritimus			Native		TS	TS		TS		TS
Angiosperm	Butorinus umbellatus	Flowering rush		Native		TS					TS
Angiosperm	Callistemon sp.	Bottlebrush		Planted							CY 99
Angiosperm	Caltha palustris	Marsh marigold		Native		TS					TS
Angiosperm	Calystegia sepium	Bindweed		Native		TS		TS	TS		CY 99, TS
Angiosperm	Capsella bursa-pastoris	Shepherds purse		Native	TS		TS				CY 99, TS
Angiosperm	Cardamine pratensis	Cuckoo flower	Biolar griagain	Native		CY pc					CY 99
Angiosperm	Carex divulsa	Grey sedge		Native				TS			TS
Angiosperm	Carex flacca	Glaucous sedge		Native		TS	TS		TS		TS
Angiosperm	Castanea sativa	Sweet Chestnut		Planted							CY 99
Angiosperm	Centaurea nigra	Knapweed	Mullach dubh	Native		TS		TS	TS		CY 99, TS
Angiosperm	Cerastium fontanum	Common mouse-ear		Native			TS		TS		TS
Angiosperm	Chamaemelum nobile	Chamomile		Probably introduced							CY 99
Angiosperm	Chenopodium album	Fat hen		Probably introduced	TS		TS				TS
Angiosperm	Chenopodium bonus-henricus	Good King Henry		Alien	TS						TS
Angiosperm	Cirsium arvense	Creeping Thistle	Feochadan	Native	TS	TS	TS	TS	TS		CY 99, TS
Angiosperm	Cirsium vulgare	Spear thistle	Feochadan	Native	TS		TS	TS	TS		CY pc, TS
Angiosperm	Conium maculatum	Hemlock		Planted							CY pc
Angiosperm	Conopodium majus	Pignut		Native				TS	TS		TS
Angiosperm	Convolvulus arvensis	Field bindweed		Native			TS				TS



Angiosperm	Cornus sanguinea	Dog wood		Native		TS						CY 99, TS
Angiosperm	Corylus avellana	Hazel	Coll	Native		TS		TS	TS			TS
Angiosperm	Cotoneaster microphyllus	Small leaved Cotoneaster		Planted		TS				TS		CY 99, TS
Angiosperm	Crataegus monogyna	Hawthorn	Scheach geall	Native				TS	TS			CY 99, TS
Angiosperm	Crepis capillaris	Smooth Hawksbeard		Native			TS					TS
Angiosperm	Cynosurus cristatus	Dog's tail		Native						TS		TS
Angiosperm	Cytisus scoparius	Broom	Giolcach sleibhe	Native								CY 99
Angiosperm	Dactylis glomerata	Cock's foot grass		Native	TS	TS	TS	TS	TS			TS
Angiosperm	Daucus carota	Carrot		Native	TS		TS					CY 99, TS
Angiosperm	Deschampsia caespitosa	Tufted hair-grass		Native		TS	TS	TS	TS			TS
Angiosperm	Digitalis purpurea	Foxglove	Mearacan puca	Native								CY 99
Angiosperm	Dipsacus fulorum	Teasel		Native			TS					CY 99, TS
Angiosperm	Eleocharis palustris	Common spike-rush		Native		TS						TS
Angiosperm	Elodea canadensis	Canadian Waterweed		Alien		TS						TS
Angiosperm	Elytigia repens	Couch grass		Native	TS	TS		TS	TS			TS
Angiosperm	Epilobium hirsutum	Great willowherb		Native	TS	TS	TS		TS			TS
Angiosperm	Epilobium palustre	Marsh willowherb		Native		TS						TS
Angiosperm	Epilobium parviflorum	Hoary willowherb		Native	TS	TS	TS		TS			TS
Angiosperm	Enca tetraix	Cross-leaved heath		Native		TS						TS
Angiosperm	Escallonia macrantha	Escallonia		Planted								CY 99
Angiosperm	Euonymus europaeus	Spindle-tree	Feoras	Native								CY 99
Angiosperm	Euphorbia helioscopia	Sun spurge		Probably introduced					TS			CY 99, TS
Angiosperm	Euphorbia peplus	Pelty spurge		Probably introduced					TS			CY 99, TS
Angiosperm	Fagus sylvatica	Beech	Fea	Alien			TS	TS	TS			CY 99, TS
Angiosperm	Festuca gigantea	Giant fescue		Native	TS		TS	TS	TS			TS
Angiosperm	Festuca rubra	Red fescue		Native		TS	TS		TS			TS
Angiosperm	Filipendula ulmaria	Meadowsweet	Airgead luachra	Native			TS			TS		CY 99, TS
Angiosperm	Foeniculum vulgare	Fennel		Probably introduced					TS			CY 99, TS
Angiosperm	Fraxinus excelsior	Ash	Fuinneog	Native		TS			TS	TS		CY 99, TS
Angiosperm	Fumaria officinalis	Western fumitory		Probably introduced	TS	TS						TS
Angiosperm	Galeopsis angustifolia	Hempnettle		Probably introduced								CY 99
Angiosperm	Galium aparine	Goosegrass	Garbhlus	Native					TS			CY 99, TS
Angiosperm	Galium verum	Lady's Bedstraw		Native					TS	TS		CY 99, TS
Angiosperm	Geranium dissectum	Cut-leaved cranesbill		Native					TS			TS
Angiosperm	Geranium molle	Dove's foot cranes bill		Native	TS		TS			TS		TS
Angiosperm	Geranium robertianum	Herb robert	Earball ri	Native		TS				TS		TS
Angiosperm	Geum urbanum	Wood avens	Machall coille	Native					TS	TS		CY 99, TS
Angiosperm	Glaucium flavum	Horned poppy		Native								CY 99
Angiosperm	Glechoma hederacea	Ground Ivy		Native						TS		CY 99, TS
Angiosperm	Gunnera tinctoria	Giant-rhubarb		Alien		TS						TS
Angiosperm	Hebe speciosa			Planted		TS						CY 99, TS
Angiosperm	Hedera helix	Ivy	Eidhnean	Native		TS			TS	TS		CY 99, TS
Angiosperm	Helianthemum nummularium	Rock rose		Planted								CY 99
Angiosperm	Heracleum sphondylium	Hogweed	Feabhran	Native	TS	TS	TS	TS	TS	TS		TS
Angiosperm	Hippuris vulgaris	Mare's tail		Native		TS						TS
Angiosperm	Holcus lanatus	Yorkshire Fog		Native	TS	TS	TS	TS	TS	TS		TS
Angiosperm	Hordeum vulgare	Six-rowed barley		Alien					TS			TS
Angiosperm	Humulus lupulus	Trefoil Hop		Alien								CY 99
Angiosperm	Hyacinthoides non-scripta	Bluebell		Native								CY 99
Angiosperm	Hydrangea sp.	Hydrangea		Planted		TS						CY 99, TS
Angiosperm	Hypericum calycinum	Rose of Sharon	Luibh eoin bhaiste	Alien								CY 99
Angiosperm	Hypericum perforatum	Perforate St. John's Wort	Luibh eoin bhaiste	Native						TS		CY 99, TS



Angiosperm	<i>Hypencum tetrapterum</i>	St. Johns wort	Luibh eoin bhaiste	Native			TS			CY 99, TS
Angiosperm	<i>Hypochoeris radicata</i>	Cal's ear		Native	TS	TS	TS			TS
Angiosperm	<i>Ilex aquifolium</i>	Holly	Cuilleann	Native						CY 99
Angiosperm	<i>Iris pseudocorus</i>	Iris	Feileastram	Native		TS				CY 99, TS
Angiosperm	<i>Juncus articulatus</i>	Jointed rush	Luachair	Native		TS				TS
Angiosperm	<i>Juncus conglomeratus</i>	Compact rush	Luachair	Native		TS				TS
Angiosperm	<i>Juncus inflexus</i>	Hard rush	Luachair	Native		TS			TS	TS
Angiosperm	<i>Knautia arvensis</i>	Scabious		Native			TS	TS	TS	CY 99, TS
Angiosperm	<i>Lamium album</i>	White Dead-Nettle		Alien						CY 99
Angiosperm	<i>Lamium purpureum</i>	Red Dead-Nettle	Neantog chaoch	Native		TS		TS		CY 99, TS
Angiosperm	<i>Lapsana communis</i>	Nippiewort	Duilleog maith	Native	TS	TS		TS	TS	TS
Angiosperm	<i>Lathyrus pratensis</i>	Meadow vetch	Pis buidhe	Native		TS			TS	TS
Angiosperm	<i>Leontodon autumnalis</i>	Autumn Hawkbit		Native						CY 99
Angiosperm	<i>Ligustrum vulgare</i>	Privet		Native (also planted)						CY pc
Angiosperm	<i>Linum catharticum</i>	Flax		Native						CY 99
Angiosperm	<i>Lolium perenne</i>	Perennial rye-grass		Native	TS	TS	TS	TS	TS	TS
Angiosperm	<i>Lonicera periclymenum</i>	Honeysuckle	Feithleog	Native						CY 99
Angiosperm	<i>Lotus corniculatus</i>	Birds foot trefoil		Native			TS	TS	TS	CY 99, TS
Angiosperm	<i>Lysimachia vulgaris</i>	Yellow loosestrife		Native (extinct in Dubli)		TS				TS
Angiosperm	<i>Lythrum salicaria</i>	Purple loosestrife	Earball caitin	Native		TS				TS
Angiosperm	<i>Mahonia sp.</i>	Oregon grape		Planted						CY 99
Angiosperm	<i>Malus sylvestris</i>	Crab-apple	Cran fia-uill	Native				TS	TS	CY 99, TS
Angiosperm	<i>Malva sylvestris</i>	Mallow	Hocas	Probably introduced	TS		TS	TS	TS	CY 99, TS
Angiosperm	<i>Matricaria discoidea</i>	Pineappleweed		Alien	TS			TS		CY 99, TS
Angiosperm	<i>Meconopsis cambrica</i>	Welsh poppy		Probably introduced						CY pc
Angiosperm	<i>Medicago lupulina</i>	Black Medick		Native	TS	TS	TS		TS	CY 99, TS
Angiosperm	<i>Mentha aquatica</i>	Water Mint	Mismin	Native						CY 99
Angiosperm	<i>Morus sp.</i>	Mulberry		Planted		TS				TS
Angiosperm	<i>Myriophyllum spicatum</i>	Spiked Water-milfoil		Native		TS				TS
Angiosperm	<i>Nuphar lutea</i>	Yellow Water-lily		Native		TS				TS
Angiosperm	<i>Odontites verna</i>	Red Bartsia		Native	TS	TS	TS	TS	TS	TS
Angiosperm	<i>Ononis repens</i>	Rest-Yarrow	Sreang-bogha	Native					TS	CY pc, TS
Angiosperm	<i>Papaver rhoeas</i>	Common poppy	Caithleach dearg	Probably introduced	TS		TS			TS
Angiosperm	<i>Papaver somniferum</i>	Opium poppy	Codlaidin	Alien						CY pc
Angiosperm	<i>Pedicularis palustris</i>	Red Rattle		Native						CY 99
Angiosperm	<i>Persicaria amphibia</i>	Amphibious bistort		Native						CY pc
Angiosperm	<i>Persicaria maculosa</i>	Redshank	Glúineach dearg	Native						CY 99
Angiosperm	<i>Petasites fragrans</i>	Winter heliotrope		Alien	TS	TS	TS	TS		TS
Angiosperm	<i>Petasites hybridus</i>	Butterbur	Gallan mor	Native				TS	TS	TS
Angiosperm	<i>Petroselinum crispum</i>	Parsley		Alien						CY 99
Angiosperm	<i>Phalaris arundinacea</i>	Reed canary-grass		Native		TS				TS
Angiosperm	<i>Phleum pratense</i>	Timothy grass		Native				TS	TS	TS
Angiosperm	<i>Phlomis fruticosa</i>	Jerusalem sage		Planted						CY pc
Angiosperm	<i>Pieris sp.</i>			Planted						CY 99
Angiosperm	<i>Plantago lanceolata</i>	Ribwort	Sianlus	Native	TS		TS	TS	TS	CY 99, TS
Angiosperm	<i>Plantago major</i>	Plantain		Native	TS	TS	TS		TS	CY 99, TS
Angiosperm	<i>Poa annua</i>	Annual meadow-grass		Native	TS					TS
Angiosperm	<i>Poa trivialis</i>	Rough meadow-grass		Native		TS			TS	TS
Angiosperm	<i>Polygonum aviculare</i>	Knotgrass		Native	TS	TS		TS	TS	CY 99, TS
Angiosperm	<i>Populus nigra</i>	Black poplar		Planted		TS		TS	TS	CY 99, TS
Angiosperm	<i>Potentilla anserina</i>	Silverweed	Briosclan	Native		TS		TS	TS	CY 99, TS
Angiosperm	<i>Potentilla reptans</i>	Creeping cinquefoil	Cuig-mhearach	Native	TS		TS		TS	TS



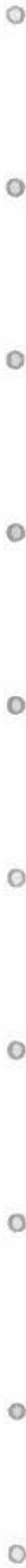
Angiosperm	Primula veris	Cowslip		Native					TS	CY 99, TS
Angiosperm	Primula vulgaris	Primrose		Native				TS		CY 99, TS
Angiosperm	Prunella vulgaris	Self Heal		Native		TS	TS		TS	CY 99, TS
Angiosperm	Prunus avium	Wild Cherry	Crann silin	Native				TS	TS	CY 99, TS
Angiosperm	Prunus domestica	Damson		Probably introduced			TS	TS	TS	CY 99, TS
Angiosperm	Prunus laurocerasus	Cherry laurel		Alien		TS			TS	TS
Angiosperm	Prunus padus	Bird Cherry		Planted						CY pc
Angiosperm	Prunus sp.	Black plum		Planted					TS	CY pc, TS
Angiosperm	Prunus sp.	Green plum		Planted					TS	CY pc, TS
Angiosperm	Prunus spinosa	Blackthorn	Draighean	Native					TS	TS
Angiosperm	Pyracantha coccinea	Firethorn		Planted						CY 99
Angiosperm	Quercus ilex	Holm Oak		Planted						CY 99
Angiosperm	Quercus petraea	Sessile Oak	Dair	Native						CY 99
Angiosperm	Quercus robur	Oak	Dair	Native					TS	CY 99, TS
Angiosperm	Ranunculus acris	Meadow Buttercup	Fear bhan	Native		TS	TS			TS
Angiosperm	Ranunculus ficaria	Lesser celandine		Native						CY pc
Angiosperm	Ranunculus repens	Creeping Buttercup	Fear bhan	Native	TS	TS	TS	TS	TS	TS
Angiosperm	Raphanus raphanistrum	Wild radish		Alien	TS		TS			TS
Angiosperm	Reseda luteola	Weld	Buidhe mor	Native	TS		TS			TS
Angiosperm	Rhinanthus minor	Yellow rattle		Native		TS				TS
Angiosperm	Rorippa nasturtium-aquaticum	Watercress	Biolar	Native		TS				TS
Angiosperm	Rosa canina	Dog-rose	Ros	Native		TS		TS	TS	TS
Angiosperm	Rosa rugosa	Japanese rose	Ros	Native (planted extens)		TS		TS	TS	CY pc, TS
Angiosperm	Rubus biflorus	Whitewashed bramble		Planted						CY 99
Angiosperm	Rubus fruticosus	Blackberry	Dris	Native	TS	TS	TS	TS	TS	TS
Angiosperm	Rubus idaeus	Raspberry	Su craobh	Native						CY 99
Angiosperm	Rubus sp.			?		TS			TS	TS
Angiosperm	Rumex acetosa	Common sorrel	Samhadh	Native					TS	TS
Angiosperm	Rumex conglomeratus	Clustered dock	Copog	Native	TS	TS	TS	TS	TS	TS
Angiosperm	Rumex crispus	Curled dock	Copog	Native	TS	TS	TS	TS	TS	TS
Angiosperm	Rumex obtusifolius	Broad-leaved dock	Copog sraide	Native	TS	TS	TS		TS	TS
Angiosperm	Sagina procumbens	Pearlwort		Native						CY 99
Angiosperm	Salix alba	White willow	Saileach	Alien					TS	TS
Angiosperm	Salix caprea	Goat willow	Saileach	Native					TS	TS
Angiosperm	Salix cinerea	Rusty Willow	Saileach	Native					TS	TS
Angiosperm	Salix fragilis	Crack willow	Saileach	Alien					TS	TS
Angiosperm	Salix pentandra	Bay-leaved willow	Saileach	Introduced		TS			TS	TS
Angiosperm	Salix purpurea	Purple willow	Saileach	Possibly introduced		TS		TS		TS
Angiosperm	Salix viminalis	Osier	Saileach	Alien		TS		TS	TS	TS
Angiosperm	Sambucus nigra	Elder	Trom	Native	TS	TS		TS	TS	CY 99, TS
Angiosperm	Scrophularia nodosa	Figwort	Fothran	Native					TS	CY 99, TS
Angiosperm	Senecio erucifolius	Hoary ragwort		Native	TS				TS	TS
Angiosperm	Senecio jacobea	Ragwort	Buachalan bui	Native	TS	TS	TS	TS	TS	CY 99, TS
Angiosperm	Senecio sylvaticus	Heath groundsal		Native					TS	TS
Angiosperm	Senecio vulgaris	Groundsel	Gronn-lus	Native						CY 99
Angiosperm	Sinapis arvensis	Charlock	Biolar traghá	?			TS			CY 99, TS
Angiosperm	Sisymbrium officinale	Hedge mustard		Native	TS			TS	TS	TS
Angiosperm	Smyrniolum olusatrum	Alexanders		Probably introduced		TS		TS	TS	TS
Angiosperm	Solanum dulcamara	Bittersweet	Deimire gorm	Native		TS			TS	CY 99, TS
Angiosperm	Sonchus asper	Prickly sow-thistle	Bainne muice	Native	TS		TS	TS	TS	TS
Angiosperm	Sonchus oleraceus	Smooth sow-thistle	Bainne muice	Native			TS		TS	TS
Angiosperm	Sorbus aucuparia	Mountain Ash	Caorthann	Native				TS	TS	CY 99, TS



Angiosperm	Spiraea salicifolia	Bridewort		Planted		TS		TS		TS
Angiosperm	Stachys palustris	Marsh woundwort		Native					TS	TS
Angiosperm	Stellaria holostea	Stitchwort		Native				TS		CY 99, TS
Angiosperm	Stellaria media	Chickweed	Fliodh	Native		TS				CY 99, TS
Angiosperm	Syringa vulgaris	Lilac		Planted						CY 99
Angiosperm	Tanacetum parthenium	Feverfew		Alien		TS				CY 99, TS
Angiosperm	Taraxacum officinale egg.	Dandelion	Caisearbhan	Native	TS	TS	TS	TS	TS	CY 99, TS
Angiosperm	Tifia cordata	Lime		Planted		TS		TS	TS	CY 99, TS
Angiosperm	Trifolium pratense	Red clover	Seamrog	Native	TS	TS	TS		TS	TS
Angiosperm	Trifolium repens	White clover	Seamrog	Native	TS	TS	TS		TS	TS
Angiosperm	Tripleurospermum inodorum	Scentless mayweed		?	TS	TS	TS			TS
Angiosperm	Tussilago farfara	Coltsfoot	Gallan greanchair	Native				TS		CY 99, TS
Angiosperm	Typha latifolia	Bulrush	Coideal na mban sidhe	Native		TS				TS
Angiosperm	Ulex europaeus	Gorse	Aiteann	Native						CY 99
Angiosperm	Ulex gali	Autumn Gorse	Aiteann	Native				TS		TS
Angiosperm	Ulmus procera	Elm	Leamhan	?					TS	TS
Angiosperm	Urtica dioica	Nettle	Neanntog	Native	TS	TS	TS	TS	TS	CY 99, TS
Angiosperm	Veronica beccabunga	Brooklime	Seamar chre	Native		TS				TS
Angiosperm	Veronica filiformis	Slender speedwell	Seamar chre	Alien	TS					TS
Angiosperm	Veronica persica	Common field-speedwell	Seamar chre	Alien	TS					TS
Angiosperm	Veronica serpyllifolia	Thyme-leaved speedwell	Seamar chre	Native	TS					TS
Angiosperm	Viburnum opulus	Guelder-rose		Native						CY 99
Angiosperm	Vicia cracca	Tufted vetch	Pis	Native	TS	TS		TS	TS	TS
Angiosperm	Vicia sepium	Wood vetch	Pis	Native			TS	TS	TS	TS
Angiosperm	Vinca major	Greater periwinkle		Alien		TS				TS
Angiosperm	Viola riviniana	Dog-violet	Sail chuach	Native						CY pc
Aves		Farmyard goose	Gandal/Ge	Introduced						CY pc
Aves		Chinese domestic goose	Gandal/Ge	Introduced						CY pc
Aves	Acanthis cannabina	Linnet	Gleoiseach	Native						CY 99
Aves	Accipiter nisus	Sparrowhawk	Spiorog	Native						CY 99
Aves	Aegithelos caudatus	Long-tailed Tit	Meantan Earfhada	Native						CY 99 (nesting)
Aves	Alauda arvensis	Skylark	Fuiseog Stairiceach	Summer migrant						CY 99
Aves	Alcedo atthis	Kingfisher	Cruidin	Native						CY 99 (nesting)
Aves	Anas penelope	Wigeon	Rualacha	Native						CY 99
Aves	Anas platyrhynchos	Mallard	Mallard	Native						CY 99
Aves	Anas sp.	Aylesbury Duck	Lachan	Introduced						CY pc
Aves	Apus apus	Swift	Gabhlan Gaoithe	Summer migrant						CY 99
Aves	Ardea cinerea	Grey Heron	Corr Riasc	Native						CY 99
Aves	Asio otus	Long-eared Owl	Ulchabhan cluas fada	Native						CY pc
Aves	Aythya ferina	Pochard	Poiseard	Winter migrant						CY 99
Aves	Aythya fuligula	Tufted Duck	Lacha Bhdanach	Native						CY 99
Aves	Bombus terrestris	Waxwing	Sciathan Cearach	Winter migrant						CY 99
Aves	Cairina moschata	Muscovy ducks	Lachan	Introduced						CY pc
Aves	Calidris alpina	Dunlin	Breacog	Native						CY 99
Aves	Carduelis carduelis	Goldfinch	Lasair Chaille	Native						CY 99
Aves	Carduelis chloris	Greenfinch	Glasan Darach	Native						CY 99
Aves	Carduelis flammea	Redpoll	Deargeadan	Winter migrant						CY 99
Aves	Carduelis spinus	Siskin	Siscin	Winter migrant						CY 99
Aves	Certhia familiaris	Treecreeper		Native						CY pc (nesting)
Aves	Charadrius hiaticula	Plover	Feadog Dubh	Native						CY 99
Aves	Cinclus cinclus	Dipper	Gabha Dubh	Native						CY 99
Aves	Columba palumbus	Woodpigeon	Colm Coille	Native						CY 99



Aves	Corvus corax ⁹⁹	Raven	Fiach Dubh	Native					CY 99
Aves	Corvus corone cornix	Hooded Crow	Feannog	Native					CY 99
Aves	Corvus frugilegus	Rook	Rucach	Native					CY 99
Aves	Corvus monedula	Jackdaw	Cag	Native					CY 99
Aves	Cygnus olor	Mute Swan	Eala Bhalbh	Native					CY 99
Aves	Emberiza citrinella	Yellowhammer	Buiog	Native					CY 99
Aves	Emberiza schoeniclus	Reed Bunting	Cealag Ghiolai	Native					CY 99
Aves	Erithacus rubecula	Robin	Spideog	Native					CY 99
Aves	Falco tinnunculus	Kestrel	Pocaire Gaoithe	Native					CY 99
Aves	Fringilla coelebs	Chaffinch	Ri Rua	Native					CY 99
Aves	Fringilla montifringilla	Brambling	Breacan	Winter migrant					CY 99
Aves	Fulica atra	Coot	Cearc Cheannann	Native					CY 99
Aves	Gallinago gallinago	Snipe	Naosceach	Native					CY 99
Aves	Gallinula chloropus	Moorhen	Cearc Uisce	Native					CY 99
Aves	Hematopus ostralegus	Oyster Catcher	Roilleach	Winter migrant					CY 99
Aves	Hirundo rustica	Swallow	Fainleog	Summer migrant					CY 99
Aves	Larus argentatus	Herring Gull	Faoilean Scadan	Native					CY 99
Aves	Larus canus	Common Gull	Faoilean Ban	Native					CY 99
Aves	Larus marinus	Great black-back Gull	Oroinneach Mor	Native					CY 99
Aves	Larus ridibundus	Black-headed Gull	Faoilean Ceandhubh	Native					CY 99
Aves	Motacilla alba yarellii	Pied Wagtail	Glasog Shraide	Native					CY 99
Aves	Motacilla cinerea	Grey Wagtail	Glasog Liath	Native					CY 99
Aves	Netta rufina	Red crested pochard	Lachamhasach	Native					CY 99
Aves	Oenanthe oenanthe	Wheatear	Clochran	Summer migrant					CY 99 (nesting) '98)
Aves	Parus ater	Coal Tit	Meantan Dubh	Native					CY 99
Aves	Parus major	Great Tit	Meantan Mor	Native					CY 99
Aves	Passer montanus	Tree Sparrow	Gealbhan Crainn	Native					CY 99
Aves	Phalacrocorax carbo	Cormorant	Broigheall	Native					CY pc, CO pc
Aves	Phylloscopus trochilus	Willow Warbler	Ceolaire Saili	Summer migrant					CY 99
Aves	Pica pica	Magpie	Snag Breac	Native					CY 99
Aves	Prunella modularis	Hedge Sparrow	Donnog	Native					CY 99
Aves	Prus caeruleus	Blue Tit	Meantan Gorm	Native					CY 99
Aves	Pyrhula pyrnhula	Bullfinch	Corcran Coille	Native					CY 99
Aves	Regulus regulus	Goldcrest	Ciorbhut	Native					CY 99
Aves	Riparia riparia	Sand Martin	Gabhlan Gainimh	Summer migrant					CY 99
Aves	Saxicola torquata	Stonechat	Caislin Cloch	Native					CY 99
Aves	Strix aluco	Tawny Owl	Ulchabhan	Native					CY pc
Aves	Sturnus vulgaris	Starling	Druid	Native					CY 99
Aves	Sylvia atricapilla	Blackcap	Caipin Dubh	Summer migrant					CY 99
Aves	Trachybaptus ruficollis	Dabchick	Spegaire Tonn	Native					CY 99
Aves	Troglodytes troglodytes	Wren	Dreoiin	Native					CY 99
Aves	Turdus iliacus	Redwing	Deargan Sneachta	Winter migrant					CY 99
Aves	Turdus merula	Blackbird	Lon Dubh	Native					CY 99
Aves	Turdus philomelos	Song Thrush	Smolach	Native					CY 99
Aves	Turdus pilaris	Fieldfare	Sacan	Winter migrant					CY 99
Aves	Turdus torquatus	Ring Ouzel	Lon creige	Summer migrant					CY pc
Aves	Turdus viscivorus	Mistle Thrush	Liatraisc	Native					CY 99
Aves	Vanelius vanellus	Lapwing	Pitibin	Winter migrant					CY 99
Bryophyta	Amblystegium serpens			Native				TS	TS
Bryophyta	Amblystegium varium			Native				TS	TS
Bryophyta	Barbula convoluta			Native				TS	TS
Bryophyta	Barbula recurvirostra			Native			TS		TS



Bryophyta	Brachythecium rivulare			Native				TS		TS
Bryophyta	Brachythecium rutabulum			Native				TS	TS	TS
Bryophyta	Dicranella varia			Native					TS	TS
Bryophyta	Eurhynchium praelongum			Native			TS	TS	TS	TS
Bryophyta	Eurhynchium pumilum			Native					TS	TS
Bryophyta	Eurhynchium striatum			Native			TS			TS
Bryophyta	Fissidens taxifolius			Native					TS	TS
Bryophyta	Hypnum cupressiforme			Native			TS	TS	TS	TS
Bryophyta	Pottia lancoelata			Native			TS			TS
Bryophyta	Rhytidadelphus squarrosus			Native					TS	TS
Bryophyta	Tortula muralis			Native			TS			TS
Coleoptera	Coccinella 7-punctata	7 spotted ladybird	Boin	Native						TS
Coleoptera	Psyllobora 22-punctata	22 spotted ladybird	Boin	Native						TS
Fish	Phoxinus phoxinus	Minnows	Piscin	Alien			TS			TS
Fish	Rutilus rutilus	Roach	Roiste	?			TS			TS
Fungi	Agaricus campestris	Field Mushroom		Native				TS		CY pc, TS
Fungi	Bjerkandra adusta			Native					TS	TS
Fungi	Claviceps purpurea	Ergot		Native				TS		TS
Fungi	Coprinus comatus	Shaggy Inkcap		Native						CY pc
Fungi	Coprinus plicatilis	Japanese umbrella		Native				TS		TS
Fungi	Coriolus versicolor	Many-zoned polypore		Native					TS	TS
Fungi	Daldinea concentrica	King Alfreds cakes		Native					TS	TS
Fungi	Datronia molis			Native					TS	TS
Fungi	Langermannia gigantea	Giant puffball		Native					TS	TS
Fungi	Lepista nuda	Wood Blewit		Native					TS	TS
Fungi	Marasmius oreades	Fairy ring champignon		Native					TS	TS
Fungi	Psilocybe semilanceata	Liberty cap		Native			TS			TS
Fungi	Psilocybe semiorbicularis			Native					TS	TS
Fungi	Rhizisma acerimum	Tar spot		Native					TS	TS
Fungi	Russula rosea			Native						TS
Fungi	Stereum hirsutum	Hairy sterium		Native					TS	TS
Fungi	Stropharia aeruginosa	Verdigris Agaric		Native					TS	TS
Gymnosperm	Carmaecyparis sp.	Cypress		Planted						CY 99
Gymnosperm	Larix decidua	European larch		Planted			TS		TS	CY 99, TS
Gymnosperm	Picea abies	Norway spruce		Planted				TS		TS
Gymnosperm	Pinus sp.	Pine		Planted					TS	CY 99, TS
Hymenoptera	Andricus hollari (resting stage)	Oak gall	Gai dara	Native						TS
Hymenoptera	Apis mellifera	Honey bee	Beach mil	Native						TS
Hymenoptera	Diplolepis rosae (resting stage)	Rose gall	Gai ros	Native						TS
Hymenoptera	Vespula vulgaris	Common wasp	Puch	Native						TS
Lepidoptera	Inachis io	Peacock butterfly		Native						TS
Lepidoptera	Maniola jurtina	Meadow brown butterfly		Native						TS
Lepidoptera	Pieris rapae	Small white butterfly		Native						TS
Mammalia	Felis felix	Cat	Cat	Introduced						CY pc
Mammalia	Meles meles	Badger	Broc	Native						CY 99
Mammalia	Mustela erminea	Stoat	Easog	Native						CY 99
Mammalia	Oryctolagus cuniculus	Rabbit	Coinin	Alien						CY 99
Mammalia	Pipistrellus pipistrellus	Pipistrelle Bat	Sciathan	Native						CY pc
MammB	rown rat		Francach donn	Native						CY pc
Mammalia	Sorex minutus	Pygmy Shrew	Dallog Fhraoigh	Native						CY 99
Mammalia	Vulpes vulpes	Fox	Sionnach	Native						CY 99
Odonata	Aeshna grandis	Brown rod dragonfly	Snathaid mhor	Native						TS



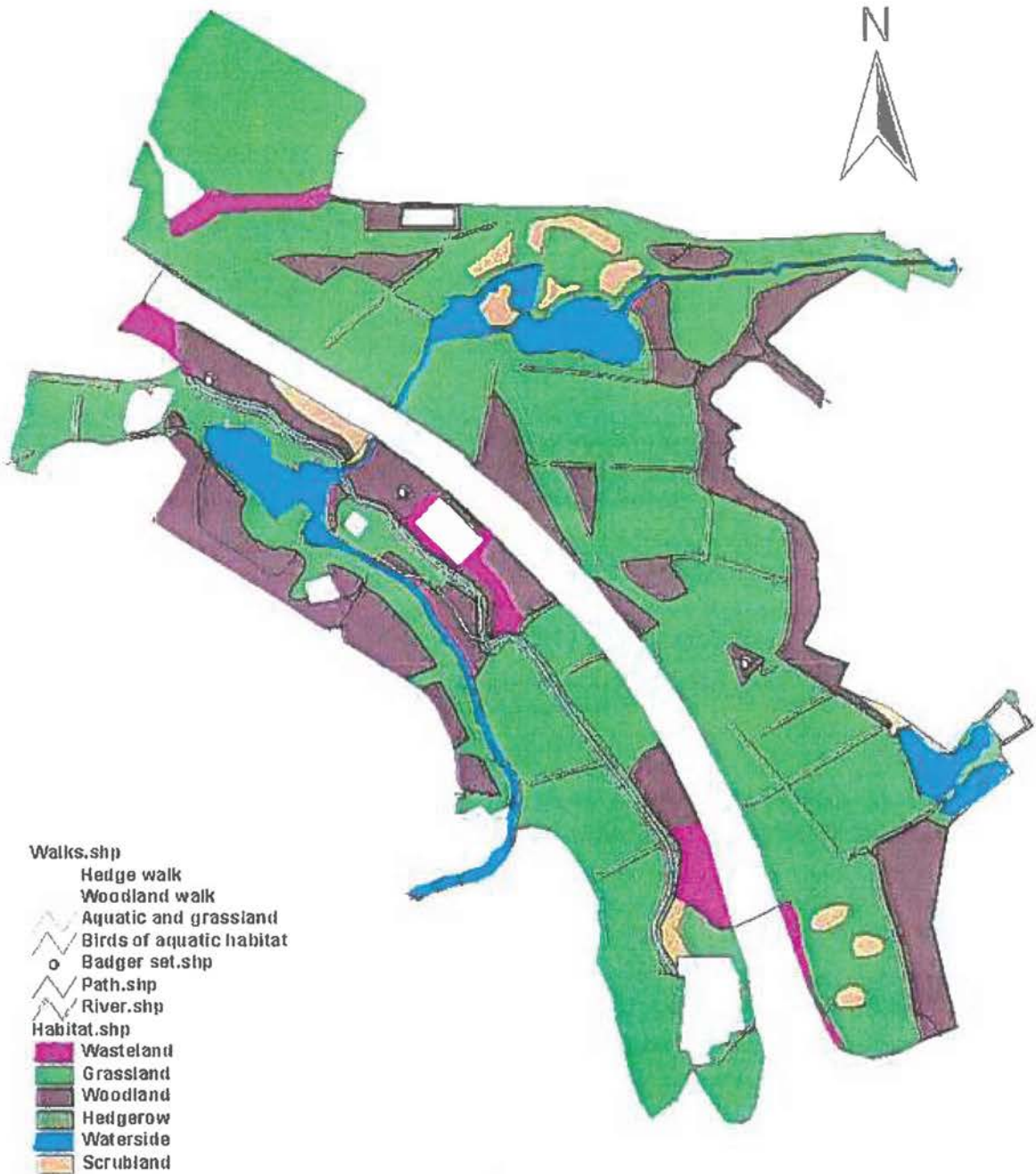
Odonata	<i>Enallagma cyathigerum</i>	Common blue damselfly		Native					TS
Odonata	<i>Ischnura elegans</i>	Damselfly		Native					TS
Pteridophyta	<i>Asplenium scolopendrium</i>	Hart's tongue fern	Ceamh muice fiadh	Native		TS			TS
Pteridophyta	<i>Equisetum arvense</i>	Field Horsetail	Gliogan	Native		TS		TS	TS
Pteridophyta	<i>Polystichium setiferum</i>	Soft shield-fern		Native		TS			TS



Appendix 2 – Habitat map of Tymon Regional Park



Tymon Park Habitat Map





Appendix 3 – Inventory of Corkagh Regional Park



Amphibia	<i>Rana temporaria</i>	Frog	Loscan	Native													Rr pc, TS
Angiosperm	<i>Acer campestre</i>	Field maple		Alien	TS	TS										Europe	TS
Angiosperm	<i>Acer davidii</i>			Planted												America	TS
Angiosperm	<i>Acer negundo</i> "Flamingo"			Planted												America	TS
Angiosperm	<i>Acer platanoides</i>	Norway maple		Planted		TS											TS
Angiosperm	<i>Acer ps. Neyeria</i>			Planted												Europe	TS
Angiosperm	<i>Acer pseudoplatanus</i>	Sycamore	Crann Ban	Alien	TS	TS	Area				TS	TS				Europe	TS
Angiosperm	<i>Acer rubrum</i> "Scanlon"			Planted												America	TS
Angiosperm	<i>Acer saccharinum</i>			Planted												America	TS
Angiosperm	<i>Acer sp.</i>	Red sycamore		Planted					TS								TS
Angiosperm	<i>Acer tataricum</i>			Planted												Australia	TS
Angiosperm	<i>Achillea millefolium</i>	Yarrow	Athair talmhan	Native	TS												TS
Angiosperm	<i>Aegopodium podagraria</i>	Ground elder		Alien	TS	TS											TS
Angiosperm	<i>Aesculus hippocastanum</i>	Horse-Chestnut		Planted	TS	TS	Area				TS					Europe	TS
Angiosperm	<i>Aesculus x carnea</i>			Planted		TS										Europe	TS
Angiosperm	<i>Ageratum sp.</i>			Planted													TS
Angiosperm	<i>Agrostis gigantea</i>	Black bent		Native	TS												TS
Angiosperm	<i>Agrostis stolonifera</i>	Creeping bent		Native	TS	TS			TS	TS	TS	TS					TS
Angiosperm	<i>Alnus cordata</i>			Planted		TS											TS
Angiosperm	<i>Alnus glutinosa</i>	Alder	Feamog	Native	TS	TS	Area				TS						TS
Angiosperm	<i>Alnus incana</i>	Grey Alder		Planted	TS												TS
Angiosperm	<i>Alnus nepalensis</i>			Planted												Europe	TS
Angiosperm	<i>Alnus rubra</i>			Planted												Africa	TS
Angiosperm	<i>Alopecurus geniculatus</i>	Marsh Foxtail		Native					TS								TS
Angiosperm	<i>Alopecurus pratensis</i>	Meadow foxtail		Native	TS												TS
Angiosperm	<i>Amelanchier lamarckii</i>	Juneberry		Planted												America	TS
Angiosperm	<i>Anagallis arvensis</i>	Scarlet pimpernel	Falcaire liain	Native					TS			TS					TS
Angiosperm	<i>Angelica sylvestris</i>	Angelica		Native			TS				TS						TS
Angiosperm	<i>Anthriscus sylvestris</i>	Cow parsley		Native	TS	TS				TS			TS				TS
Angiosperm	<i>Apium nodiflorum</i>	Fool's watercress		Native			TS				TS						TS
Angiosperm	<i>Arctium minus</i>	Burdock	Copog thuathail	Native		TS				TS				TS			TS
Angiosperm	<i>Arrhenatherum elatius</i>	Fake Oat		Native	TS	TS			TS	TS	TS	TS					TS
Angiosperm	<i>Arum maculatum</i>	Lords and Ladies		Native	TS	TS					TS	TS					TS
Angiosperm	<i>Atriplex patula</i>	Common orache		Probably introduced						TS				TS			TS
Angiosperm	<i>Avena fatua</i>	Oat		Alien						TS		TS					TS
Angiosperm	<i>Azara serrata</i>			Planted	TS												TS
Angiosperm	<i>Barbarea vulgaris</i>	Winter-cress		Native						TS		TS					TS
Angiosperm	<i>Begonia semperlorens</i>	Begonia		Planted												TS	TS
Angiosperm	<i>Bellis perennis</i>	Daisy	Noithin	Native					TS			TS					TS
Angiosperm	<i>Berberis cf. Lyzards</i>			Planted	TS												TS
Angiosperm	<i>Betula costata</i>			Planted												Europe	TS
Angiosperm	<i>Betula jacquemontii</i>			Planted												Europe	TS
Angiosperm	<i>Betula papyrifera</i>			Planted												America	TS
Angiosperm	<i>Betula pendula</i>	Silver birch	Beith	Native	TS	TS										Africa, Americ	TS
Angiosperm	<i>Betula utilis</i>			Planted												Europe	TS
Angiosperm	<i>Brachypodium sylvaticum</i>	False Brome		Native	TS	TS						TS					TS
Angiosperm	<i>Brassica rapa</i>	Wild turnip		Probably introduced						TS							TS
Angiosperm	<i>Bromopsis ramosa</i>	Hairy brome		Native	TS								TS				TS
Angiosperm	<i>Bromus stentis</i>	Barren brome		Native													TS
Angiosperm	<i>Callitriche stagnalis</i>	Common water-starwort		Native								TS					TS
Angiosperm	<i>Calystegia sepium</i>	Bindweed		Native					TS		TS	TS	TS				TS
Angiosperm	<i>Capsella bursa-pastoris</i>	Shepherds purse		Native							TS	TS					TS



Angiosperm	Cardamine pratensis	Cuckoo flower	Biolar griagain	Native					TS				TS				
Angiosperm	Carduus tenuiflorus	Slender thistle		Native				TS					TS				
Angiosperm	Carex aquatilis	Water sedge		Native			TS						TS				
Angiosperm	Carex flacca	Glaucous sedge		Native	TS	TS							TS				
Angiosperm	Carex laevigata	Smooth-stalked sedge		Native		TS							TS				
Angiosperm	Carex pendula	Pendulous sedge		Native			TS	TS					TS				
Angiosperm	Carpinus betulus	Hornbeam		Planted									Europe	TS			
Angiosperm	Carpinus japonica			Planted									Europe	TS			
Angiosperm	Castanea sativa	Sweet Chestnut		Planted	TS									TS			
Angiosperm	Catalpa speciosa			Planted									America	TS			
Angiosperm	Centaurea nigra	Knapweed	Mullech dubh	Native	TS			TS	TS					TS			
Angiosperm	Cerastium fontanum	Common mouse-ear		Native	TS	TS		TS						TS			
Angiosperm	Cercis siliquastrum			Planted									Africa, Australi	TS			
Angiosperm	Chenopodium album	Fat hen		Probably introduced					TS	TS	TS			TS			
Angiosperm	Chenopodium bonus-henricus	Good King Henry		Alien					TS					TS			
Angiosperm	Cirsium arvense	Creeping Thistle	Foehadan	Native	TS	TS		TS						TS			
Angiosperm	Cirsium vulgare	Spear thistle	Foehadan	Native	TS	TS		TS	TS					TS			
Angiosperm	Cornus controversa "Variegata"			Planted									Australia	TS			
Angiosperm	Comus sanguinea	Dog wood		Native	TS	TS								TS			
Angiosperm	Coronopus didymus	Lesser swine's cress		Probably introduced					TS	TS				TS			
Angiosperm	Corylus avellana	Hazel	Coll	Native	TS					TS	TS			TS			
Angiosperm	Corylus colurna			Planted									Europe	TS			
Angiosperm	Cotoneaster microphyllus	Small leaved Cotoneast		Planted	TS				TS				TS	TS			
Angiosperm	Crataegus monogyna	Hawthorn	Scheach geall	Native	TS	TS	Area						TS	Europe	TS		
Angiosperm	Crepis capillaris	Smooth Hawksbeard		Native	TS	TS			TS						TS		
Angiosperm	Crepis vesicaria	Beaked hawksbeard		Alien					TS	TS					TS		
Angiosperm	Cupressus macrocarpa			Planted					TS Standin						TS		
Angiosperm	Cynosurus cristatus	Dog's tail		Native	TS				TS						TS		
Angiosperm	Dactylis glomerata	Cock's foot grass		Native	TS	TS			TS	TS	TS	TS			TS		
Angiosperm	Digitalis purpurea	Foxglove	Mearacan puca	Native										TS	TS		
Angiosperm	Elytigia repens	Couch grass		Native	TS	TS								TS	TS		
Angiosperm	Epilobium hirsutum	Great willowherb		Native	TS	TS	TS			TS					TS		
Angiosperm	Epilobium montanum	Broad-leaved willowherb		Native		TS									TS		
Angiosperm	Epilobium palustre	Marsh willowherb		Native	TS										TS		
Angiosperm	Epilobium parviflorum	Hoary willowherb		Native	TS	TS			TS	TS					TS		
Angiosperm	Equisetum sylvaticum	Wood horsetail	Gliogan	Native	TS	TS								TS	TS		
Angiosperm	Equisetum telmateia	Great horsetail	Gliogan	Native	TS									TS	TS		
Angiosperm	Eucalyptus gunnii			Planted										Australia	TS		
Angiosperm	Eucalyptus pauciflora			Planted										Australia	TS		
Angiosperm	Eupatorium cannabinum	Hemp agrimony		Native										TS	TS		
Angiosperm	Euphorbia helioscopia	Sun spurge		Probably introduced					TS						TS		
Angiosperm	Euphorbia peplus	Petty spurge		Probably introduced	TS				TS					TS	TS		
Angiosperm	Fagus sp.	Copper beech		Planted					TS Standin						TS		
Angiosperm	Fagus sylvatica	Beech	Fea	Alien	TS	TS								TS	Europe	TS	
Angiosperm	Fagus sylvatica "Dawyck"			Planted										Europe	TS		
Angiosperm	Festuca arundinacea	Tall fescue		Native											TS		
Angiosperm	Festuca gigantea	Giant fescue		Native	TS									TS	TS		
Angiosperm	Festuca rubra	Red fescue		Native	TS	TS			TS	TS	TS				TS		
Angiosperm	Filipendula ulmaria	Meadowsweet	Airgead luachra	Native				TS	TS						TS		
Angiosperm	Fraxinus excelsior	Ash	Fuinneog	Native	TS	TS	Area							TS	TS	Europe	TS
Angiosperm	Fraxinus excelsior "Pendula"			Planted										Europe	TS	TS	
Angiosperm	Fraxinus ornus			Planted										Europe	TS	TS	



Angiosperm	Fraxinus sp.			Planted								Europe	TS	
Angiosperm	Fuchsia magellanica	Fuchsia		Planted							TS		TS	
Angiosperm	Fumaria officinalis	Western fumitory		Probably introduced					TS				TS	
Angiosperm	Galium aparine	Goosegrass	Garbhuis	Native	TS	TS	TS		TS		TS		TS	
Angiosperm	Geranium dissectum	Cut-leaved cranesbill		Native		TS							TS	
Angiosperm	Geranium molle	Dove's foot cranes bill		Native		TS							TS	
Angiosperm	Geranium robertianum	Herb robert	Earball ri	Native	TS	TS	TS				TS		TS	
Angiosperm	Geum urbanum	Wood avens	Machall coille	Native	TS	TS					TS	TS	TS	
Angiosperm	Glechoma hederacea	Ground Ivy		Native		TS							TS	
Angiosperm	Groenlandia densa	Opposite Leaved Pondw		Native							FD 98, SI 88		FD 98, SI 88	
Angiosperm	Hedera helix	Ivy	Eidhnean	Native	TS	TS					TS	TS	TS	
Angiosperm	Heracleum mezzagiganeum	Giant Hogweed		Alien			TS				TS		TS	
Angiosperm	Heracleum sphondylium	Hogweed	Feabhran	Native	TS	TS	TS	TS			TS	TS	TS	
Angiosperm	Holcus lanatus	Yorkshire Fog		Native	TS	TS		TS	TS	TS	TS	TS	TS	
Angiosperm	Hypericum androsaemum	Tutsan		Native				TS					TS	
Angiosperm	Hypericum calycinum	Rose of Sharon	Luibh eoin bhaiste	Alien		TS					TS		TS	
Angiosperm	Hypericum perforatum	Perforate St. John's Wor	Luibh eoin bhaiste	Native		TS							TS	
Angiosperm	Hypochoeris radicata	Cat's ear		Native	TS			TS					TS	
Angiosperm	Ilex aquifolium	Holly	Cuileann	Native	TS	TS					TS	TS	TS	
Angiosperm	Iris pseudoacorus	Iris	Feileastram	Native							TS		TS	
Angiosperm	Juglans regia	Walnut		Planted	TS								Europe	TS
Angiosperm	Juncus conglomeratus	Compact rush	Luachair	Native				TS	TS				TS	
Angiosperm	Juncus effusus	Soft-rush	Luachair	Native							TS		TS	
Angiosperm	Juncus inflexus	Hard rush	Luachair	Native						TS	TS		TS	
Angiosperm	Laburnum x waten "Vosii"			Planted									Europe	TS
Angiosperm	Lamium hybridum	Cut-leaved dead-nettle		Probably introduced							TS		TS	
Angiosperm	Lamium purpureum	Red Dead-Nettle	Neantog chaoch	Native					TS				TS	
Angiosperm	Lapsana communis	Nippewort		Native					TS		TS		TS	
Angiosperm	Lathyrus pratensis	Meadow vetch	Pis buidhe	Native		TS							TS	
Angiosperm	Leucanthemum vulgare	Ox-eye daisy	Noithin mor	Native				TS					TS	
Angiosperm	Ligustrum vulgare	Privet		Native (also planted)	TS								TS	
Angiosperm	Linaris purpurea	Purple toadflax		Alien					TS				TS	
Angiosperm	Linodendron tulipifera			Planted									America	TS
Angiosperm	Lolium perenne	Perennial rye-grass		Native	TS			TS	TS	TS			TS	
Angiosperm	Malva sylvestris	Mallow	Hocas	Probably introduced		TS							TS	
Angiosperm	Matricaria discoidea	Pineappleweed		Alien					TS				TS	
Angiosperm	Medicago lupulina	Black Medick		Native				TS	TS	TS			TS	
Angiosperm	Mentha aquatica	Water Mint	Mismin	Native			TS			TS			TS	
Angiosperm	Odontites verna	Red Bartsia		Native	TS	TS		TS	TS	TS	TS	TS	TS	
Angiosperm	Olearia macrodonta			Planted	TS								TS	
Angiosperm	Papaver rhoeas	Common poppy	Caitheach dearg	Probably introduced					TS	TS	TS		TS	
Angiosperm	Persicaria amphibia	Amphibious bistort		Native						TS			TS	
Angiosperm	Persicaria maculosa	Redshank	Gtineach dearg	Native					TS	TS	TS		TS	
Angiosperm	Petasites fragrans	Winter heliotrope		Alien						TS	TS		TS	
Angiosperm	Petasites hybridus	Butterbur	Gallan mor	Native		TS			TS				TS	
Angiosperm	Phalaris arundinacea	Reed canary-grass		Native			TS				TS	TS	TS	
Angiosperm	Phleum pratense	Timothy grass		Native	TS					TS	TS		TS	
Angiosperm	Pitiosporum tenuifolium "Silver			Planted									Australia	TS
Angiosperm	Plantago lanceolata	Ribwort	Sianlus	Native	TS	TS		TS	TS	TS	TS		TS	
Angiosperm	Plantago major	Plantain		Native	TS			TS	TS	TS	TS		TS	
Angiosperm	Platanus acerifolius			Planted									Europe	TS
Angiosperm	Platycarya strobilacea			Planted									Europe	TS





Angiosperm	Sasa palmata	Broad-leaved Bamboo		Alien	TS						TS			TS	
Angiosperm	Scrophularia nodosa	Figwort	Fothran	Native							TS	TS		TS	
Angiosperm	Senecio erucifolius	Hoary ragwort		Native	TS	TS								TS	
Angiosperm	Senecio jacobea	Ragwort	Buachalan bui	Native	TS	TS		TS	TS	TS				TS	
Angiosperm	Senecio vulgaris	Groundsel	Gronn-lus	Native				TS						TS	
Angiosperm	Sinapis arvensis	Charlock	Biolar tragha	?		TS								TS	
Angiosperm	Sisymbrium officinale	Hedge mustard		Native	TS				TS			TS		TS	
Angiosperm	Smyrniolum olusatrum	Alexanders		Probably introduced		TS								TS	
Angiosperm	Solanum dulcamara	Bittersweet	Deimire gorm	Native	TS		TS				TS			TS	
Angiosperm	Sonchus asper	Prickly sow-thistle	Bainne muice	Native	TS				TS					TS	
Angiosperm	Sonchus oleraceus	Smooth sow-thistle	Bainne muice	Native	TS	TS				TS	TS			TS	
Angiosperm	Sophora viciifolia			Planted										Europe	TS
Angiosperm	Sorbus alnifolia			Planted										Europe	TS
Angiosperm	Sorbus aria	Common whitebeam		Native										Europe	TS
Angiosperm	Sorbus aucuparia	Mountain Ash	Caorthann	Native		TS								Europe	TS
Angiosperm	Sorbus commixta			Planted										Europe	TS
Angiosperm	Sorbus esserteaciana			Planted										Europe	TS
Angiosperm	Sorbus forestii			Planted										Europe	TS
Angiosperm	Sorbus latifolia	Broad-leaved whitebea		Planted										Europe	TS
Angiosperm	Sorbus sergentiana			Planted										Europe	TS
Angiosperm	Sorbus thuringiaca			Planted										Europe	TS
Angiosperm	Spiraea salicifolia	Bridewort		Planted	TS	TS						TS			TS
Angiosperm	Stachys palustris	Marsh woundwort		Native							TS				TS
Angiosperm	Stellaria graminea	Lesser stichwort		Native		TS									TS
Angiosperm	Stellaria media	Chickweed	Fliodh	Native						TS			TS		TS
Angiosperm	Symphoricarpos rivularis	Snowberry		Alien	TS									TS	TS
Angiosperm	Syringa vulgaris	Lilac		Planted										TS	TS
Angiosperm	Taraxacum officinale agg.	Dandelion	Caisearbhan	Native	TS	TS		TS	TS	TS	TS				TS
Angiosperm	Tilia "Greenspire"			Planted										Europe	TS
Angiosperm	Tilia americana			Planted										Amenca	TS
Angiosperm	Tilia cordata	Lime		Planted	TS	TS								Europe	TS
Angiosperm	Tilia tomentosa			Planted										Europe	TS
Angiosperm	Tilia x euchi'ora			Planted										Europe	TS
Angiosperm	Trifolium pratense	Red clover	Seamrog	Native	TS			TS	TS	TS					TS
Angiosperm	Trifolium repens	White clover	Seamrog	Native				TS		TS	TS		TS		TS
Angiosperm	Tripleurospermum inodorum	Scentless mayweed		?	TS			TS	TS	TS					TS
Angiosperm	Tussilago farfara	Coltsfoot	Gallan greanchair	Native	TS					TS					TS
Angiosperm	Typha latifolia	Burush	Coideal na mban sidhe	Native			TS								TS
Angiosperm	Ulmus "Sapporo"			Planted										America	TS
Angiosperm	Ulmus glabra	Wych elm	Leamhan	Native	TS										TS
Angiosperm	Ulmus minor	Small leaved elm	Leamhan	?										Europe	TS
Angiosperm	Ulmus parvifolia			Planted										Europe	TS
Angiosperm	Ulmus procera	Eim	Leamhan	?	TS	TS								Europe	TS
Angiosperm	Urtica dioica	Nettle	Neanntog	Native	TS	TS	TS	TS	TS	TS	TS	TS			TS
Angiosperm	Veronica anagallis-aquatica	Water speedwell	Seamar chre	Native							TS				TS
Angiosperm	Veronica beccabunga	Brooklime	Seamar chre	Native			TS				TS				TS
Angiosperm	Veronica chamaedrys	Germander speedwell	Seamar chre	Native	TS	TS					TS				TS
Angiosperm	Veronica lilliformis	Slender speedwell	Seamar chre	Alien				TS	TS			TS			TS
Angiosperm	Veronica officinalis	Heath speedwell	Seamar chre	Native											TS
Angiosperm	Veronica persica	Common field-speedwel	Seamar chre	Alien						TS					TS
Angiosperm	Veronica serpyllifolia	Thyme-leaved speedwel	Seamar chre	Native					TS						TS
Angiosperm	Viburnum opulus	Guelder-rose		Native	TS	TS		TS							TS





Fungi	Agrocybe erebia			Native								TS
Fungi	Agrocybe semiorbiculans			Native							TS	TS
Fungi	Auricularia ericula-judae	Jews Ear		Native								TS
Fungi	Chlorosplenium aeruginascens	Green Wood-cup		Native								TS
Fungi	Collybia butyracea	Buttercap		Native	TS							TS
Fungi	Conocybe tenera			Native							TS	TS
Fungi	Coprinus comatus	Shaggy Inkcap		Native								TS
Fungi	Daldinea concentrica	King Alfreds cakes		Native		TS						TS
Fungi	Hygrocybe nigrescens	Blackening wax-cap		Native							TS	TS
Fungi	Laccaria laccata	Deceiver		Native								TS
Fungi	Lacrymaria velutina	Weeping Widow		Native								TS
Fungi	Langermannia gigantea	Giant puffball		Native		TS						TS
Fungi	Lepiota rhacodes	Shaggy parasol		Native								TS
Fungi	Lepiota sp.			Native							TS	TS
Fungi	Lycoperdon pyriforme	Clustered puff-ball		Native								TS
Fungi	Marasmius oreades	Fairy ring champignon		Native							TS	TS
Fungi	Melanophyllum echinatum			Native								TS
Fungi	Panaeolus foenisecii	Hay cap		Native								TS
Fungi	Piptoporus betulinus	Birch polypore		Native								TS
Fungi	Psilocybe semilanceata	Liberty cap		Native								TS
Fungi	Rhytisma acerimum	Tar spot		Native		TS						TS
Fungi	Stereum rugosum			Native		TS						TS
Fungi	Tricholoma saponaceum	Soap Tricholoma		Native								TS
Gymnosperm	Abies firma			Planted							Australia	TS
Gymnosperm	Abies nordmanniang			Planted							Africa	TS
Gymnosperm	Cedrus atlantica			Planted							Africa	TS
Gymnosperm	Cedrus atlantica pendula			Planted							Africa	TS
Gymnosperm	Cedrus atlantica var. glauca			Planted	TS							TS
Gymnosperm	Cedrus deodara			Planted							Africa	TS
Gymnosperm	Cedrus libani			Planted	TS							TS
Gymnosperm	Cephalotaxus harringtonia *Fas			Planted							Australia	TS
Gymnosperm	Chamaecyparis lawsoniana			Planted							Africa, Americ	TS
Gymnosperm	Chamaecyperis sp.			Planted						TS Stand		TS
Gymnosperm	Cryptomeria japonica			Planted	TS						Europe	TS
Gymnosperm	Cupressus *Silver dust*			Planted							Africa	TS
Gymnosperm	Cupressuscyparis leylandii	Leyland cypress		Planted		TS					TS	TS
Gymnosperm	Ginkgo biloba	Ginkgo		Planted							Australia	TS
Gymnosperm	Juniperus communis *Hibernic	Juniper		Planted							Europe	TS
Gymnosperm	Larix decidua	European larch		Planted	TS	TS				TS		TS
Gymnosperm	Larix kaempferi	Japanese larch		Planted							Europe	TS
Gymnosperm	Picea abies	Norway spruce		Planted							Europe	TS
Gymnosperm	Picea pungens			Planted							Africa	TS
Gymnosperm	Picea sp.	Spruce		Planted	TS							TS
Gymnosperm	Picea stichensis	Sitka spruce		Planted							Europe, Ameri	TS
Gymnosperm	Pinus nigra	Austrian pine		Planted							Europe	TS
Gymnosperm	Pinus sp.	Pine		Planted	TS							TS
Gymnosperm	Pinus strobus			Planted							Amenca	TS
Gymnosperm	Pinus sylvestris	Scots pine	Gluis	Planted (?Native)	TS						Europe	TS
Gymnosperm	Pinus thunbergii			Planted							Europe	TS
Gymnosperm	Podocarpus macrophyllus	Buddhist pine		Planted							Australia	TS
Gymnosperm	Sequoia sempervirens *Glauca*			Planted	TS						Africa	TS
Gymnosperm	Sequoiadendron gigantea			Planted	TS							TS



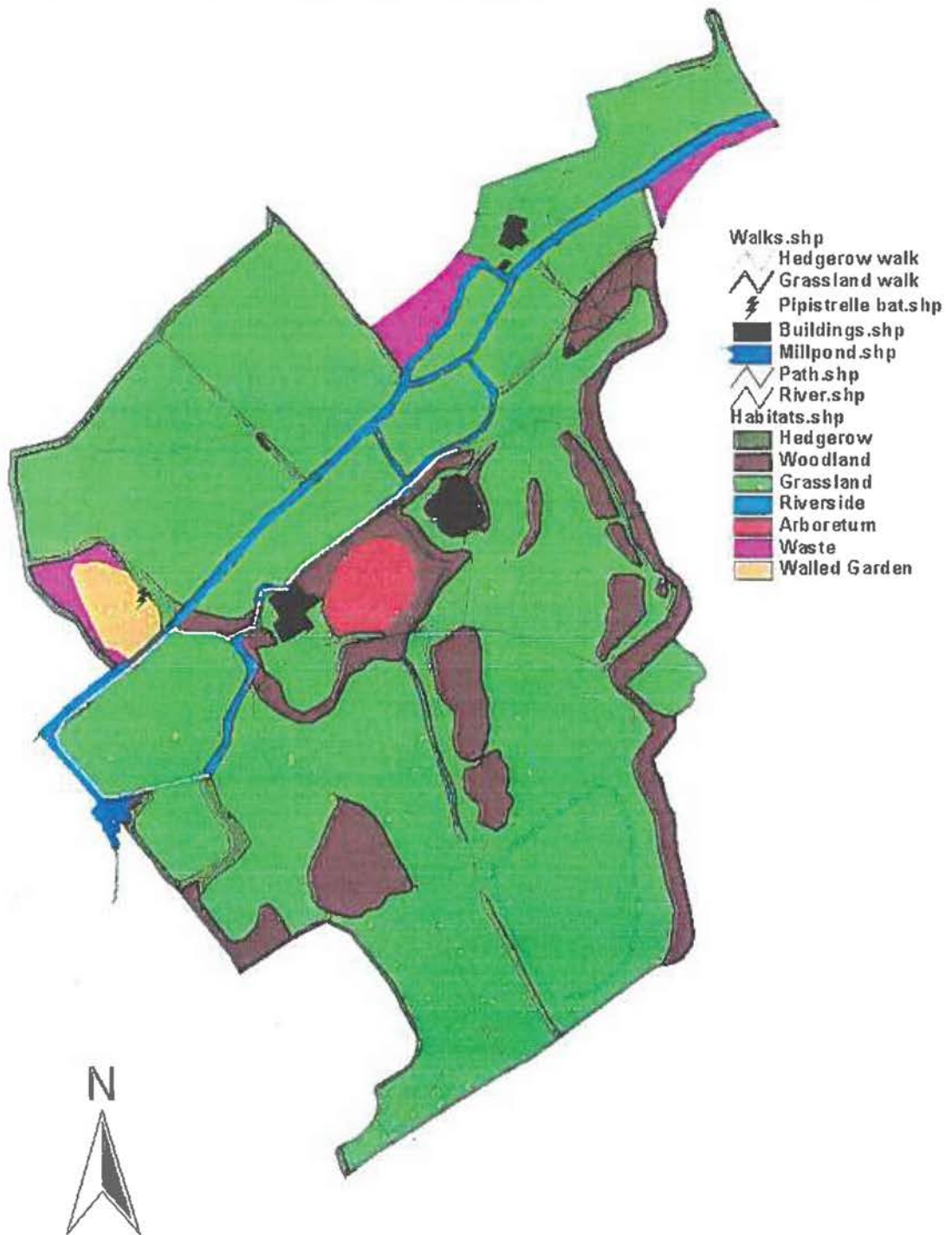
Gymnosperm	Taxus baccata	Yew	Iur	Planted (Native)	TS					TS	TS		TS
Gymnosperm	Taxus baccata 'vestigiata'		Iur	Planted	TS								TS
Gymnosperm	Thujaopsis dolabrata			Planted								Australia	TS
Gymnosperm	Torreya californica			Planted								Africa	TS
Hymenoptera	Andricus hollan (resting stage)	Oak gall	Gal dara	Native									TS
Hymenoptera	Vespula vulgaris	Common wasp	Puch	Native									TS
Lepidoptera	Maniola jurtina	Meadow brown butterfly		Native									TS
Lepidoptera	Pieris rapae	Small white butterfly		Native									TS
Lichen	Arthopyrenia lapponina			Native									TS
Lichen	Diploschistes caesioplumbens			Native									TS
Lichen	Fumitopsis pinicola			Native									TS
Lichen	Graphis scripta			Native									TS
Lichen	Hypogymnia physodes			Native	TS								TS
Lichen	Lecanora chlorotera			Native									TS
Lichen	Ochrolechia tartarea			Native									TS
Lichen	Xanthoria parietina			Native	TS								TS
Mammalia	Mus musculus	House Mouse	Luch ti	Native									Rr pc, TS
Mammalia	Oryctolagus cuniculus	Rabbit	Coinin	Alien									Rr pc
Mammalia	Pipistrellus pipistrellus	Pipistrelle Bat	Sciathan	Native									Rr pc
Mammalia	Rattus rattus	Black Rat	Francach dubh	Alien									TS
Mammalia	Rattus sp.	Brown rat	Francach donn	Native									Rr pc, TS
Mammalia	Sciurus carolinensis	Grey squirrel	Madra chrainn	Alien									Rr pc
Mammalia	Sorex minutus	Pygmy Shrew	Dallog Fhraoigh	Native									Rr pc
Mammalia	Vulpes vulpes	Fox	Sionnach	Native				TS					TS
Pteridophyta	Asplenium scolopendrium	Hart's tongue fern	Cearmh muice fiadh	Native	TS					TS	TS		TS
Pteridophyta	Dryopteris affinis			Native						TS			TS
Pteridophyta	Dryopteris dilatata			Native			TS			TS			TS
Pteridophyta	Dryopteris felix-mas	Male fern		Native	TS	TS				TS			TS
Pteridophyta	Equisetum arvense	Field Horsetail	Glíogan	Native						TS			TS
Pteridophyta	Polystichium setiferum	Soft shield-fern		Native	TS	TS				TS			TS



Appendix 4 – Habitat map of Corkagh Regional Park



Corkagh Regional Park Habitat Map



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**Appendix 5 – Inventory of Dodder Valley Linear
Park**



Amphibia	Rana temporaria	Frog	Loscan	Native									FCC, CM 91, TS
Amphibia	Triturus vulgaris	Newt	Larc	Native						TS			FCC, CM 91, TS
Angiosperm	Acer campestre	Field maple		Alien				TS				TS	TS
Angiosperm	Acer platanoides	Norway maple		Planted				TS					TS
Angiosperm	Acer pseudoplatanus	Sycamore	Crann Ban	Alien	TS Stand	TS	TS			TS Stand	TS	TS	FCC, CM 91, TS
Angiosperm	Achillea millefolium	Yarrow	Athair talmhan	Native	TS	TS			TS	TS		TS Open	FCC, TS
Angiosperm	Aegopodium podagraria	Ground elder		Alien				TS				TS	TS
Angiosperm	Aesculus hippocastanum	Horse-Chestnut		Planted				TS					TS
Angiosperm	Aesculus sp.			Planted				TS					TS
Angiosperm	Aethusa cynapium	Foo's parsley		Probably introduced							TS		FCC, TS
Angiosperm	Agrimonia eupatoria	Agrimony	Airgeadan	Native									FCC
Angiosperm	Agrostis capillaris	Common bent		Native	TS	TS	TS			TS			TS
Angiosperm	Agrostis stolonifera	Creeping bent		Native	TS		TS	TS			TS		TS
Angiosperm	Ajuga reptans	Bugle		Native									FCC, ASI 88
Angiosperm	Aisma plantago-aquatica	Water plantain		Native									FCC
Angiosperm	Alliaria petiolata	Garlic mustard		Native		TS					TS		TS
Angiosperm	Alnus glutinosa	Alder	Feamog	Native		TS	TS	TS			TS	TS	FCC, CM 91, TS
Angiosperm	Alopecurus geniculatus	Marsh Foxtail		Native	TS								TS
Angiosperm	Alopecurus pratensis	Meadow foadail		Native	TS					TS			TS
Angiosperm	Anacamptis pyramidalis	Pyramidal orchid		Native									FCC
Angiosperm	Anagallis arvensis	Scarlet pimpernel	Falcaire fiain	Native						TS	TS		FCC, TS
Angiosperm	Angelica sylvestris	Angelica		Native	TS	TS	TS					TS	FCC, TS
Angiosperm	Anthriscus sylvestris	Cow parsley		Native	TS	TS	TS	TS		TS	TS	TS	FCC, TS
Angiosperm	Anthyllis vulneraria	Kidney vetch		Native									FCC
Angiosperm	Antirrhinum majus	Snapdragon		Alien		TS					TS x 3 color		TS
Angiosperm	Apium nodiflorum	Foo's watercress		Native				TS			TS		FCC, TS
Angiosperm	Arctium minus	Burdock	Copog thuthail	Native		TS	TS			TS	TS		TS
Angiosperm	Arenaria serpyllifolia	Thyme-leaved sandwort		Native									FCC
Angiosperm	Arrhenatherum elatius	False Oat		Native	TS	TS	TS	TS		TS	TS		TS
Angiosperm	Artemisia vulgaris	Mugwort		Probably introduced		TS	TS			TS	TS		TS
Angiosperm	Arum maculatum	Lords and Ladies		Native		TS	TS			TS	TS	TS	FCC, TS
Angiosperm	Aster novi-belgii	Michelmas daisy		Alien						TS			TS
Angiosperm	Atriplex patula	Common orache		Probably introduced						TS	TS		TS
Angiosperm	Avena fatua	Oat		Alien	TS								TS
Angiosperm	Barbarea vulgaris	Winter-cress		Native			TS			TS			TS
Angiosperm	Bellis perennis	Daisy	Noithin	Native	TS								FCC, TS
Angiosperm	Berberis vulgaris	Barbery		Planted		TS							TS
Angiosperm	Betula pendula	Silver birch	Beith	Native	TS	TS						TS	TS
Angiosperm	Betula pubescens	Downy birch	Beith	Native									FCC, CM 91
Angiosperm	Blackstonia perfoliata	Yellow wort	Dreimire bui	Native			TS						FCC, CM 91, TS
Angiosperm	Brachypodium sylvaticum	False Brome		Native			TS				TS		TS
Angiosperm	Brassica oleracea	Wild cabbage		Alien						TS			TS
Angiosperm	Brassica rapa	Wild turnip		Probably introduced						TS	TS		FCC, TS
Angiosperm	Briza media	Quaking grass		Native	TS	TS			TS				TS
Angiosperm	Bromopsis ramosa	Hairy brome		Native			TS						TS
Angiosperm	Buddleia davidii	Buddleia		Alien			TS			TS	TS		TS
Angiosperm	Butomus umbellatus	Flowering rush		Native									INJ 35
Angiosperm	Callitriche stagnalis	Common water-starwort		Native									FCC
Angiosperm	Calluna vulgaris	Heather	Fraich	Native									FCC
Angiosperm	Caltha palustris	Marsh marigold		Native									FCC
Angiosperm	Calystegia sepium	Bindweed		Native		TS	TS	TS		TS	TS	TS	FCC, TS
Angiosperm	Capsella bursa-pastoris	Shepherds purse		Native	TS			TS					FCC, TS
Angiosperm	Cardamine flexuosa	Wavy bittercress		Native				TS					TS







Angiosperm	Juncus squarrosus	Heath rush	Luachair	Native								FCC
Angiosperm	Knautia arvensis	Scabious		Native	TS	TS						FCC, TS
Angiosperm	Lamium album	White Dead-Nettle		Alien			TS					FCC, TS
Angiosperm	Lamium purpureum	Red Dead-Nettle	Neantog chaoch	Native					TS			TS
Angiosperm	Lapsana communis	Nipplewort	Duilleog maith	Native	TS	TS	TS	TS	TS	TS	TS	TS
Angiosperm	Lathyrus pratensis	Meadow vetch	Pis buidhe	Native	TS	TS		TS				FCC, TS
Angiosperm	Lemna gibba	Duckweed		Native								INJ 35
Angiosperm	Leontodon autumnalis	Autumn Hawkbit		Native			TS					FCC, TS
Angiosperm	Leontodon hispidus	Rough hawkbit		Native	TS							TS
Angiosperm	Lepidium heterophyllum	Smith's pepperwort		Native	TS							TS
Angiosperm	Leucanthemum vulgare	Ox-eye daisy	Noithin mor	Native					TS			FCC, TS
Angiosperm	Ligustrum japonicum	Golden privet		Planted		TS						TS
Angiosperm	Ligustrum vulgare	Privet		Native (also planted)		TS						FCC, TS
Angiosperm	Linaria purpurea	Purple toadflax		Alien			TS		TS			FCC, TS
Angiosperm	Linum bienne	Pale flax		Native			TS		TS	TS		TS
Angiosperm	Linum catharticum	Flax		Native	TS				TS			TS
Angiosperm	Lolium perenne	Perennial rye-grass		Native	TS	TS	TS	TS	TS	TS	TS	TS
Angiosperm	Lonicera perichlymenum	Honeysuckle	Feithleog	Native								FCC
Angiosperm	Lotus corniculatus	Birds foot trefoil		Native	TS	TS		TS		TS	TS Open	FCC, CM 91, TS
Angiosperm	Lychnis flos-cuculi	Ragged-Robin		Native								FCC
Angiosperm	Lysimachia vulgaris	Yellow loosestrife		Native (extinct in Du								FCC
Angiosperm	Malus sylvestris	Crab-apple	Cran fia-uill	Native					TS			FCC, TS
Angiosperm	Malva sylvestris	Mallow	Hocas	Probably introduced	TS	TS	TS					FCC, TS
Angiosperm	Matricaria discoidea	Pineappleweed		Alien	TS				TS			TS
Angiosperm	Medicago lupulina	Black Medick		Native	TS		TS		TS	TS		TS
Angiosperm	Mentha aquatica	Water Mint	Mismin	Native			TS			TS	TS	FCC, TS
Angiosperm	Mentha spicata	Spear mint	Mismin	Alien		TS						TS
Angiosperm	Mentha suaveolens	Round-leaved mint	Mismin	Alien								DVS 73
Angiosperm	Menyanthes trifoliata	Bogbean	Beaman Iachan	Native								FCC
Angiosperm	Mercurialis annua	Annual mercury		Probably introduced		TS			TS	TS		TS
Angiosperm	Mimulus guttatus	Monkey flower		Alien								CM 91, FD 98
Angiosperm	Molinia caerulea	Purple moor-grass		Native								FCC
Angiosperm	Myosotis arvensis	Field forget-me-not		Native								FCC
Angiosperm	Myosotis discolor	Changing forget-me-not		Native								FCC
Angiosperm	Myosotis scorpioides	Water forget-me-not		Native								FCC
Angiosperm	Narthecium ossifragum	Bog asphodel		Native								FCC
Angiosperm	Odontites verna	Red Bartsia		Native	TS					TS		TS
Angiosperm	Oenanthe crocata	Hemlock Water dropwort		Native			TS			TS		FD 98, TS
Angiosperm	Olearia macrodenta			Planted		TS						TS
Angiosperm	Ononis repens	Rest-Yarrow	Sreang-bogha	Native	TS			TS				TS
Angiosperm	Orchis mascula	Early purple orchid		Native								FCC, ASI 88
Angiosperm	Origanum vulgare	Marjoram		Native	TS	TS		TS	TS			FCC, TS
Angiosperm	Oxalis acetosella	Wood sorrel		Native								FCC
Angiosperm	Oxalis articulata	Pink oxalis		Alien		TS					TS	TS
Angiosperm	Papaver hybridum	Rough poppy	Poipin	Probably introduced								FCC
Angiosperm	Papaver rhoeas	Common poppy	Caithleach dearg	Probably introduced					TS			FCC, TS
Angiosperm	Parthenocissus quinquefolia	Virginia creeper		Alien							TS	TS
Angiosperm	Persicaria amphibia	Amphibious bistort		Native			TS					TS
Angiosperm	Persicaria maculosa	Redshank	Giuneach dearg	Native	TS		TS		TS	TS		FCC, TS
Angiosperm	Petasites fragrans	Winter heliotrope		Alien			TS		TS	TS	TS	CM 91, TS
Angiosperm	Petasites hybridus	Butterbur	Gallan mor	Native			TS	TS	TS	TS		FCC, CM 91, TS
Angiosperm	Phalaris arundinacea	Reed canary-grass		Native		TS	TS		TS	TS		TS
Angiosperm	Phleum pratense	Timothy grass		Native						TS		TS





Angiosperm	<i>Salix viminalis</i>	Osier	Saileach	Alien		TS	TS		TS	TS		FCC, CM 91, TS		
Angiosperm	<i>Sambucus nigra</i>	Elder	Trom	Native		TS	TS			TS	TS	FCC, CM 91, TS		
Angiosperm	<i>Saponaria officinalis</i>	Soapwort		Alien								TS		
Angiosperm	<i>Scrophularia aunculata</i>	Water figwort	Fothran	Native			TS			TS		TS		
Angiosperm	<i>Scrophularia nodosa</i>	Figwort	Fothran	Native		TS				TS		FCC, TS		
Angiosperm	<i>Scrophularia umbrosa</i>	Green Figwort	Fothran	Native		TS	TS					TS		
Angiosperm	<i>Sedum acre</i>	Biting stonecrop		Native								FCC		
Angiosperm	<i>Senecio jacobea</i>	Ragwort	Buachalan bui	Native	TS	TS	TS	TS	TS	TS	TS	Open	FCC, TS	
Angiosperm	<i>Senecio vulgaris</i>	Groundsel	Gronn-lus	Native	TS		TS	TS	TS	TS			FCC, TS	
Angiosperm	<i>Sherardia arvensis</i>	Field madder		Native									FCC	
Angiosperm	<i>Silene dioica</i>	Red Campion	Coirean coileach	Native									FCC	
Angiosperm	<i>Sinapis arvensis</i>	Charlock	Biglar tragha	?									CM 91	
Angiosperm	<i>Sisymbrium officinale</i>	Hedge mustard		Native		TS	TS			TS			FCC, TS	
Angiosperm	<i>Smyrnium olusatrum</i>	Alexanders		Probably introduced					TS	TS		TS	CM 91, TS	
Angiosperm	<i>Solanum dulcamara</i>	Bittersweet	Deimire gorm	Native		TS	TS				TS		FCC, TS	
Angiosperm	<i>Sonchus arvensis</i>	Perennial sow-thistle	Bainne muice	Native	TS	TS							TS	
Angiosperm	<i>Sonchus asper</i>	Prickly sow-thistle	Bainne muice	Native	TS	TS				TS			TS	
Angiosperm	<i>Sonchus oleraceus</i>	Smooth sow-thistle	Bainne muice	Native						TS		TS	Open	TS
Angiosperm	<i>Sorbus aria</i>	Common whitebeam		Native			TS							TS
Angiosperm	<i>Sorbus aucuparia</i>	Mountain Ash	Caorthann	Native						TS	Stand			FCC, TS
Angiosperm	<i>Sorbus hibernica</i>			Native			TS?							TS
Angiosperm	<i>Sorbus intermedia</i>	Swedish whitebeam		Alien	TS									TS
Angiosperm	<i>Sparganium erectum</i>	Branched Bur-reed		Native										FCC
Angiosperm	<i>Stachys sylvatica</i>	Hedge woundwort		Native			TS				TS			TS
Angiosperm	<i>Stellaria alsine</i>	Bog stitchwort		?										FCC
Angiosperm	<i>Stellaria holostea</i>	Stitchwort		Native										FCC
Angiosperm	<i>Stellaria media</i>	Chickweed	Fiodh	Native					TS	TS				FCC, TS
Angiosperm	<i>Succisa pratensis</i>	Devil's-bit scabious	Urach bhallaich	Native										FCC
Angiosperm	<i>Symphoricarpos nivalis</i>	Snowberry		Alien		TS	TS					TS		FCC, CM 91, TS
Angiosperm	<i>Symphytum officinale</i>	Common comfrey	Lus na gnabh mbriste	?							TS			TS
Angiosperm	<i>Symphytum x uplandicum</i>	Russian comfrey	Lus na gnabh mbriste	Alien			TS							TS
Angiosperm	<i>Syringa vulgaris</i>	Lilac		Planted		TS								TS
Angiosperm	<i>Tanacetum parthenium</i>	Feverfew		Alien							TS			FCC, TS
Angiosperm	<i>Taraxacum officinale</i> agg.	Dandelion	Caisearbhan	Native	TS	TS	TS	TS	TS	TS		TS	Open	FCC, TS
Angiosperm	<i>Teucrium scorodonia</i>	Wood sage		Native	TS		TS							TS
Angiosperm	<i>Tilia cordata</i>	Lime		Planted									TS	FCC, CM 91, TS
Angiosperm	<i>Torilis japonica</i>	Upright hedge parsley		Native				TS						TS
Angiosperm	<i>Trifolium dubium</i>	Lesser trefoil	Seamrog	Native	TS	TS								TS
Angiosperm	<i>Trifolium pratense</i>	Red clover	Seamrog	Native	TS		TS	TS	TS	TS		TS	Open	FCC, TS
Angiosperm	<i>Trifolium repens</i>	White clover	Seamrog	Native	TS		TS							FCC, TS
Angiosperm	<i>Triglochin palustre</i>	Marsh arrowgrass		Native										FCC
Angiosperm	<i>Tripleurospermum inodorum</i>	Scentless mayweed		?	TS		TS			TS	TS			TS
Angiosperm	<i>Tussilago farfara</i>	Coltsfoot	Gailan greanchair	Native			TS							CM 91, TS
Angiosperm	<i>Typha latifolia</i>	Bulrush	Coideal na mban sidhe	Native			TS							FD 98, FCC, TS
Angiosperm	<i>Ulex europaeus</i>	Gorse	Aiteann	Native		TS		TS	TS	TS		TS	Open	FCC, CM 91, TS
Angiosperm	<i>Ulex galii</i>	Autumn Gorse	Aiteann	Native		TS								TS
Angiosperm	<i>Ulmus glabra</i>	Wych elm	Leamhan	Native			TS						TS	TS
Angiosperm	<i>Ulmus procera</i>	Elm	Leamhan	?		TS								FCC, TS
Angiosperm	<i>Urtica dioica</i>	Nettle	Neanntog	Native	TS	TS	TS		TS	TS		TS		FCC, TS
Angiosperm	<i>Vaccinium myrtillus</i>	Bilberry	Fraochan	Native										FCC
Angiosperm	<i>Veronica beccabunga</i>	Brooklime	Seamar chre	Native	TS		TS							TS
Angiosperm	<i>Veronica chamaedrys</i>	Germander speedwell	Seamar chre	Native								TS		TS
Angiosperm	<i>Veronica filiformis</i>	Slender speedwell	Seamar chre	Alien	TS					TS				TS





Aves	Motacilla alba yarrellii	Pied Wagtail	Glasog Shraide	Native							FCC, BWI 99
Aves	Motacilla cinerea	Grey Wagtail	Glasog Liath	Native							FCC, BWI 99, CM 91, A
Aves	Muscicapa striata	Spotted Flycatcher		Summer migrant							FCC, BWI 99
Aves	Oenanthe oenanthe	Wheatear	Clochran	Summer migrant							BWI 99
Aves	Parus ater	Coal Tit	Meantan Dubh	Native							FCC, BWI 99
Aves	Parus major	Great Tit	Meantan Mor	Native							FCC, BWI 99
Aves	Passer domesticus	House Sparrow	Gealbhan binne	Native							FCC, BWI 99, JS 79
Aves	Phalacrocorax carbo	Cormorant	Broigheall	Native							BWI 99
Aves	Phasianus colchicus	Pheasant	Piasiun	Alien							FCC
Aves	Phylloscopus collybita	Chiff-chaff		Summer migrant	Su						FCC, BWI 99
Aves	Phylloscopus trochilus	Willow Warbler	Ceolaire Saili	Summer migrant							FCC, BWI 99, CM 91
Aves	Pica pica	Magpie	Snag Breac	Native							FCC, BWI 99, TS
Aves	Prunella modularis	Hedge Sparrow	Donnog	Native							FCC, BWI 99, CM 91
Aves	Prus caeruleus	Blue Tit	Meantan Gorm	Native							FCC, BWI 99, TS
Aves	Pyrrhula pyrrhula	Bullfinch	Corcran Coille	Native							FCC, BWI 99
Aves	Regulus regulus	Goldcrest	Ciorbhut	Native							FCC, BWI 99, CM 91
Aves	Riparia riparia	Sand Martin	Gabhlan Gainimh	Summer migrant							FCC, BWI 99, ASI 88, C
Aves	Saxicola torquata	Stonechat	Caislin Cloch	Native							FCC, BWI 99
Aves	Streptopelia decaocto	Collared Dove	Colm	Native							FCC, BWI 99
Aves	Stumus vulgaris	Starling	Druid	Native							FCC, BWI 99, CM 91
Aves	Sylvia atricapilla	Blackcap	Caipin Dubh	Summer migrant							FCC, BWI 99
Aves	Sylvia communis	Whitethroat		Summer migrant							FCC, BWI 99
Aves	Trachybaptus ruficollis	Dabchick	Spagaire Tonn	Native							FCC, ASI 88
Aves	Troglodytes troglodytes	Wren	Oreoilin	Native							FCC, BWI 99, CM 91, TS
Aves	Turdus iliacus	Redwing	Deargan Sneachta	Winter migrant							FCC, BWI 99
Aves	Turdus merula	Blackbird	Lon Dubh	Native							FCC, BWI 99, CM 91
Aves	Turdus philomelos	Song Thrush	Smolach	Native							FCC, BWI 99, CM 91
Aves	Turdus pilaris	Fieldfare	Sacan	Winter migrant							FCC, BWI 99
Aves	Turdus viscivorus	Mistle Thrush	Liatraisc	Native							FCC, BWI 99, CM 91
Bryophyta	Amblystegium serpens			Native						TS	TS
Bryophyta	Barbula convoluta			Native						TS	TS
Bryophyta	Barbula recurvirostra			Native						TS	TS
Bryophyta	Barbula sp.			Native						TS	TS
Bryophyta	Brachythecium rivulare			Native			TS	TS			TS
Bryophyta	Brachythecium rutabulum			Native			TS	TS			TS
Bryophyta	Bryum capillare			Native							TS
Bryophyta	Bryum sp.			Native						TS	TS
Bryophyta	Conocephalum conicum			Native				TS			TS
Bryophyta	Eurhynchium praelongum			Native			TS	TS			TS
Bryophyta	Eurhynchium pumilum			Native				TS			TS
Bryophyta	Eurhynchium striatum			Native				TS			TS
Bryophyta	Fontinalis antipyretica	Willow moss		Native							FCC
Bryophyta	Hypnum cupressiforme			Native				TS			TS
Bryophyta	Isoetecium myosuroides			Native				TS			TS
Bryophyta	Lunulana cruciata			Native				TS			TS
Bryophyta	Pohlia sp.			Native			TS				TS
Bryophyta	Pottia lanceolata			Native				TS			TS
Bryophyta	Pseudoscleropodium purum			Native				TS			TS
Bryophyta	Rhytidadelphus squamosus			Native				TS			TS
Bryophyta	Riccia fluitans	Floating crystalwort		Native							FCC
Bryophyta	Sphagnum sp.	Sphagnum moss		Native							FCC
Bryophyta	Thamnobryum alopecurum			Native				TS			TS
Coleoptera	Chorthippus albomarginatus	Lesser marsh grasshopper		Native							TS



Fish	Anguilla anguilla	Eel	Eascann	?						CM 91
Fish	Barbatula barbatula	Stone Loach	Cailleach	?						CM 91
Fish	Gasterosteus aculeatus	3-spined stickleback	Snathaid mhara	?						CM 91
Fish	Lampetra planeri	Brook Lamprey	Loimpre	Native						CM 91
Fish	Phoxinus phoxinus	Minnows	Piscin	Alien						CM 91
Fish	Platichthys flesus	Flounder	Leadhbog	?						CM 91
Fish	Salmo salar	Salmon	Bradán	Native						CM 91
Fish	Salmo trutta	Brown trout	Breac	Native						CM 91, DFAG
Fungi	Agaricus campestris	Field Mushroom		Native						FCC
Fungi	Amanita muscaria	Fly agaric		Native						FCC
Fungi	Armillariella mellea	Honey fungus		Native						FCC
Fungi	Auricularia ancusta-judae	Jews Ear		Native						FCC
Fungi	Boletus edulis	Penny Bun		Native						FCC
Fungi	Coprinus atramentarius	Common Ink Cap		Native						FCC
Fungi	Coprinus comatus	Shaggy Inkcap		Native	TS					FCC
Fungi	Gomphus ciacapes			Native						FCC
Fungi	Langermannia gigantea	Giant puffball		Native					TS	TS
Fungi	Lepiota sp.			Native			TS			TS
Fungi	Lycoperdon pyriforme	Clustered puff-ball		Native					TS	TS
Fungi	Nectria cinnabarina	Coral Spot		Native						FCC
Fungi	Oudemansiella radicata	Rooting shank		Native					TS	TS
Fungi	Rhytisma acerinum	Tar spot		Native	TS				TS	TS
Fungi	Scleroderma verrucosum	Earth Ball		Native						FCC
Fungi	Trametes versicolor			Native						FCC
Gymnosperm	Abies alba	Silver Fir		Planted						FCC
Gymnosperm	Camaecyparis sp.	Cypress		Planted	TS					TS
Gymnosperm	Chamaecyparis sp.			Planted					TS	TS
Gymnosperm	Larix decidua	European larch		Planted	TS		TS Stand		TS	FCC, TS
Gymnosperm	Picea abies	Norway spruce		Planted	TS					TS
Gymnosperm	Picea sitchensis	Sitka spruce		Planted			TS			TS
Gymnosperm	Pinus sp.	Pine		Planted	TS					TS
Gymnosperm	Pinus sylvestris	Scots pine	Giuis	Planted (?Native)	TS		TS Stand		TS	FCC, CM 91, TS
Gymnosperm	Taxus baccata	Yew	Iur	Planted (Native)	TS					FCC, CM 91, TS
Hymenoptera	Andricus hollari (resting stage)	Oak gall	Gal dara	Native						TS
Hymenoptera	Apis mellifera	Honey bee	Beach mil	Native						TS
Lepidoptera	Inachis io	Peacock butterfly		Native						TS
Lepidoptera	Maniola jurtina	Meadow brown butterfly		Native						TS
Lepidoptera	Pieris rapae	Small white butterfly		Native						TS
Lepidoptera	Polyommatus icarus	Common blue butterfly		Native						TS
Lepidoptera	Vanessa atalanta	Red admiral		Native						TS
Lichen	Caloplaca heppiana			Native						TS
Lichen	Cladonia portentosa			Native						FCC
Lichen	Diploicia canescens			Native						FCC
Lichen	Hypogymnia physodes			Native	TS					FCC, TS
Lichen	Parmelia laevigata			Native						FCC
Lichen	Parmelia perlata			Native						FCC
Lichen	Phaeophyscia orbicularis			Native						FCC
Lichen	Xanthoria parietina			Native	TS					TS
Mammalia	Erinaceus europaeus	Hedgehog	Graineog	Native						FCC
Mammalia	Felix felix	Cat	Cat	Introduced						CM 91
Mammalia	Lepus timidus hibernicus	Irish Hare	Giorra	Native						FCC
Mammalia	Lutra lutra	Otter	Madra mara	Native						CM 91
Mammalia	Meles meles	Badger	Broc	Native						FCC



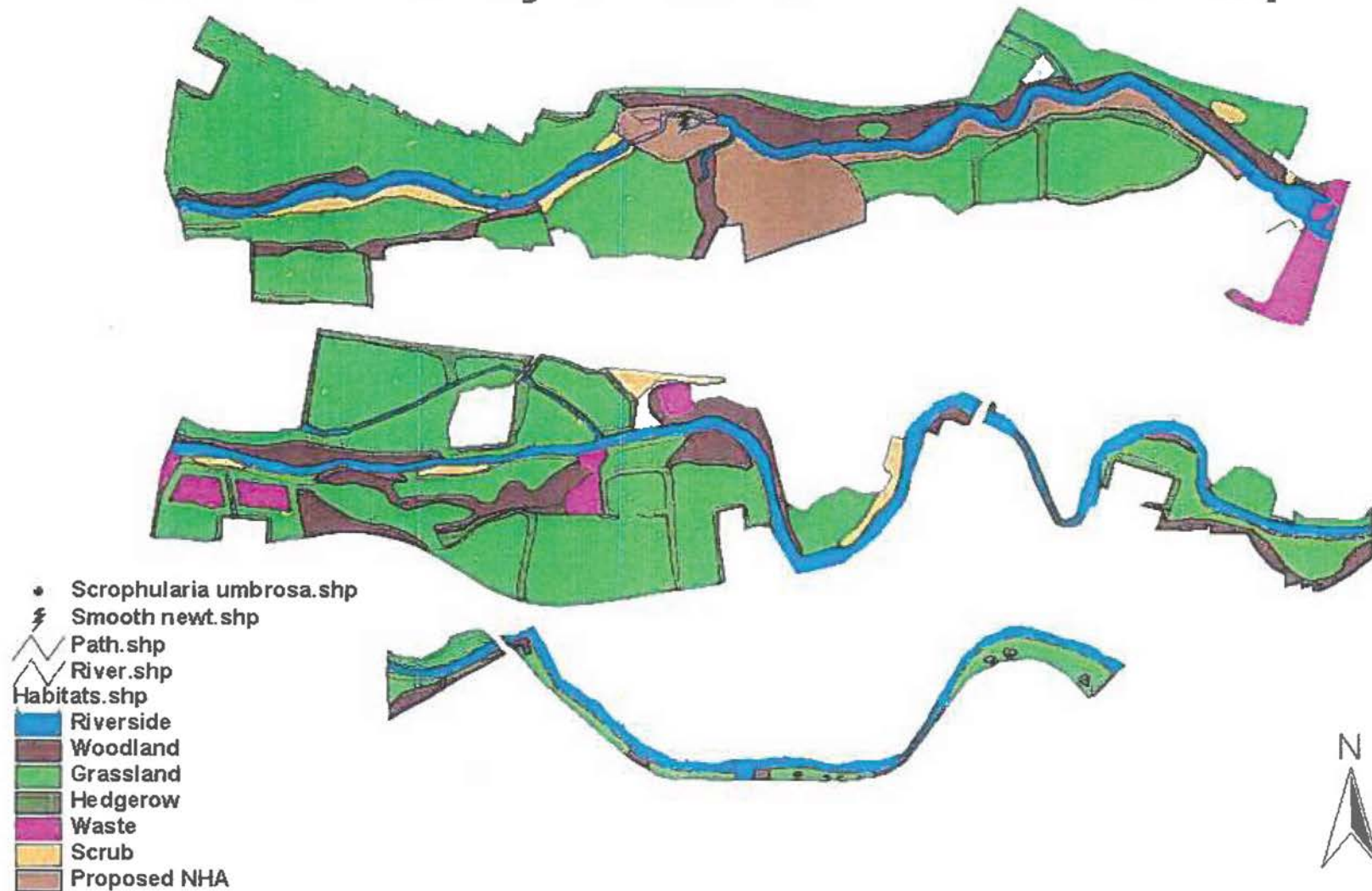
Mammalia	<i>Mus musculus</i>	House Mouse	Luch ti	Native							FCC
Mammalia	<i>Myotis daubentonii</i>	Daubentons Bat	Sciathan	Native							DVN, FCC
Mammalia	<i>Nyctalus leisteri</i>	Leisters Bat	Sciathan	Native							DVN, FCC
Mammalia	<i>Oryctolagus cuniculus</i>	Rabbit	Coinin	Alien							FCC, CM 91, JS 79, TS
Mammalia	<i>Rattus rattus</i>	Black Rat	Francach dubh	Alien							CM 91, TS
Mammalia	<i>Rattus sp.</i>	Brown rat	Francach donn	Native							FCC
Mammalia	<i>Sciurus vulgaris</i>	Red Squirrel	Iona rua	Native							FCC, JS 79
Mammalia	<i>Sorex minutus</i>	Pygmy Shrew	Dallog Fhraoigh	Native							FCC, CM 91
Mammalia	<i>Vulpes vulpes</i>	Fox	Sionnach	Native							FCC, CM 91, JS 79
Pteridophyta	<i>Asplenium ruta-muraria</i>	Wall rue		Native				TS			FCC, TS
Pteridophyta	<i>Asplenium scolopendrium</i>	Hart's tongue fern	Ceamh muice fiadh	Native				TS			FCC, TS
Pteridophyta	<i>Asplenium trichomanes</i>	Maidenhair spleenwort		Native							FCC
Pteridophyta	<i>Dryopteris affinis</i>			Native							FCC
Pteridophyta	<i>Dryopteris felix-mas</i>	Male fern		Native				TS			FCC, TS
Pteridophyta	<i>Equisetum arvense</i>	Field Horsetail	Gllogan	Native		TS	TS	TS		TS	TS
Pteridophyta	<i>Equisetum fluviatile</i>	Water horsetail	Gllogan	Native						TS	TS
Pteridophyta	<i>Polystichum setiferum</i>	Soft shield-fern		Native				TS		TS	TS
Pteridophyta	<i>Pteridium aquilinum</i>	Bracken	Raithneach	Native							FCC



**Appendix 6 – Habitat map of Dodder Valley Linear
Park**



Dodder Valley Linear Park Habitat Map





Appendix 7 – Inventory of Liffey Valley Parklands

a) Leixlip stretch



Amphibia	Rana temporana	Frog	Loscan	Native	TS			TS	
Angiosperm	Acer pseudoplatanus	Sycamore	Crann Ban	Alien	TS	TS		TS	FD 98
Angiosperm	Achillea millefolium	Yarrow	Athair talmhan	Native	TS		TS	TS	
Angiosperm	Agrostis capillaris	Common bent		Native			TS	TS	
Angiosperm	Agrostis stolonifera	Creeping bent		Native	TS			TS	
Angiosperm	Allium ursinum	Wild garlic	Gairteog	Native	TS			TS	
Angiosperm	Alnus glutinosa	Alder	Fearnog	Native	TS	TS		TS	FD 98
Angiosperm	Anthriscus sylvestris	Cow parsley		Native	TS	TS		TS	
Angiosperm	Apium nodiflorum	Fool's watercress		Native	TS			TS	
Angiosperm	Arctium minus	Burdock	Copog thuathail	Native	TS			TS	
Angiosperm	Arrhenatherum elatius	Fake Oat		Native		TS	TS	TS	
Angiosperm	Arum maculatum	Lords and Ladies		Native	TS			TS	
Angiosperm	Bellis perennis	Daisy	Noithin	Native	TS			TS	
Angiosperm	Brachypodium sylvaticum	False Brome		Native	TS			TS	
Angiosperm	Bromopsis ramosa	Hairy brome		Native	TS			TS	
Angiosperm	Butomus umbellatus	Flowering rush		Native	TS			TS	FD 98
Angiosperm	Calystegia sepium	Bindweed		Native	TS			TS	
Angiosperm	Carex pendula	Pendulous sedge		Native		TS		TS	
Angiosperm	Carex sylvatica	Wood sedge		Native	TS			TS	
Angiosperm	Centaurea nigra	Knapweed	Mullach dubh	Native	TS			TS	
Angiosperm	Cirsium arvense	Creeping Thistle	Feochadan	Native	TS			TS	
Angiosperm	Cirsium vulgare	Spear thistle	Feochadan	Native	TS			TS	
Angiosperm	Clematis vitalba	Old Mans Beard		Alien	TS	TS		TS	
Angiosperm	Convolvulus arvensis	Field bindweed		Native	TS			TS	
Angiosperm	Corylus avellana	Hazel	Coll	Native	TS	TS		TS	
Angiosperm	Cymbalaria muralis	Ivy-leaved toadflax		Alien	TS			TS	
Angiosperm	Cynosurus cristatus	Dog's tail		Native	TS		TS	TS	
Angiosperm	Dactylis glomerata	Cock's foot grass		Native	TS		TS	TS	
Angiosperm	Deschampsia caespitosa	Tufted hair-grass		Native		TS		TS	
Angiosperm	Eleocharis palustris	Common spike-rush		Native	TS			TS	
Angiosperm	Eloësa canadensis	Canadian Waterweed		Alien					FD 98
Angiosperm	Elytigia repens	Couch grass		Native			TS	TS	
Angiosperm	Epilobium hirsutum	Great willowherb		Native	TS	TS	TS	TS	
Angiosperm	Epilobium parviflorum	Hoary willowherb		Native	TS	TS		TS	
Angiosperm	Equisetum sylvaticum	Wood horsetail	Gliogan	Native	TS			TS	
Angiosperm	Eupatorium cannabinum	Hemp agrimony		Native	TS			TS	
Angiosperm	Fagus sylvatica	Beech	Fea	Alien	TS	TS		TS	
Angiosperm	Festuca arundinacea	Tall fescue		Native	TS			TS	
Angiosperm	Festuca rubra	Red fescue		Native	TS		TS	TS	
Angiosperm	Filipendula ulmaria	Meadowsweet	Airgead luachra	Native	TS	TS	TS	TS	
Angiosperm	Fraxinus excelsior	Ash	Fuinneog	Native	TS	TS		TS	FD 98
Angiosperm	Galium aparine	Goosegrass	Garbhflus	Native	TS	TS		TS	
Angiosperm	Galium verum	Lady's Bedstraw		Native	TS			TS	
Angiosperm	Geranium robertianum	Herb robert	Earball ri	Native	TS	TS		TS	
Angiosperm	Geum urbanum	Wood avens	Machall coife	Native	TS	TS		TS	
Angiosperm	Glyceria maxima	Reed Sweet grass		Native					FD 98
Angiosperm	Hedera helix	Ivy	Eidhnean	Native	TS	TS		TS	
Angiosperm	Heracleum mezzaganeum	Giant Hogweed		Alien	TS			TS	
Angiosperm	Heracleum sphondylium	Hogweed	Feabhran	Native	TS	TS	TS	TS	
Angiosperm	Holcus lanatus	Yorkshire Fog		Native	TS		TS	TS	
Angiosperm	Hypericum hirsutum	Hairy St. Johns Wort	Luibh eoin bhaiste	Native		TS		TS	
Angiosperm	Hypericum perforatum	Perforate St. John's Wort	Luibh eoin bhaiste	Native		TS		TS	
Angiosperm	Hypochoeris radicata	Cat's ear		Native	TS			TS	



Angiosperm	Ilex aquifolium	Holly	Cuilleann	Native		TS		TS	
Angiosperm	Impatiens glandulifera	Himalayan balsam		Alien					FD 98
Angiosperm	Iris pseudoacorus	Iris	Féileastram	Native	TS			TS	
Angiosperm	Juncus articulatus	Jointed rush	Luachair	Native	TS			TS	
Angiosperm	Juncus inflexus	Hard rush	Luachair	Native	TS			TS	
Angiosperm	Knautia arvensis	Scabious		Native			TS	TS	
Angiosperm	Lolium perenne	Perennial rye-grass		Native	TS			TS	
Angiosperm	Lotus corniculatus	Birds foot trefoil		Native	TS			TS	
Angiosperm	Malus domestica	Domestic apple		Alien		TS		TS	
Angiosperm	Malva sylvestris	Mallow	Hocas	Probably introduced	TS			TS	
Angiosperm	Medicago lupulina	Black Medick		Native	TS			TS	
Angiosperm	Mentha aquatica	Water Mint	Mismin	Native	TS			TS	
Angiosperm	Myosotis scorpioides	Water forget-me-not		Native	TS			TS	
Angiosperm	Myriophyllum spicatum	Spiked Water-milfoil		Native					FD 98
Angiosperm	Nuphar lutea	Yellow Water-lily		Native					FD 98
Angiosperm	Odontites verna	Red Bartsia		Native	TS			TS	
Angiosperm	Persicaria maculosa	Redshank	Gluineach dearg	Native	TS			TS	
Angiosperm	Petasites fragrans	Winter heliotrope		Alien	TS	TS		TS	
Angiosperm	Phalaris arundinacea	Reed canary-grass		Native	TS			TS	FD 98
Angiosperm	Plantago lanceolata	Ribwort	Slanlus	Native	TS	TS		TS	
Angiosperm	Plantago major	Plantain		Native	TS	TS		TS	
Angiosperm	Poa annua	Annual meadow-grass		Native	TS			TS	
Angiosperm	Potamogeton berchtoldii	Small pondweed	Duilleasc na abhann	Native					FD 98
Angiosperm	Potamogeton crispus	Curled pondweed	Duilleasc na abhann	Native					FD 98
Angiosperm	Potamogeton natans	Broad-leaved pondweed	Duilleasc na abhann	Native					FD 98
Angiosperm	Potamogeton pectinatus	Fennel pondweed	Duilleasc na abhann	Native					FD 98
Angiosperm	Potamogeton x salicifolium	Willow-leaved pondweed	Duilleasc na abhann	Native					FD 98
Angiosperm	Potentilla reptans	Creeping cinquefoil	Cuig-mhearach	Native	TS		TS	TS	
Angiosperm	Prunella vulgaris	Self Heal		Native		TS		TS	
Angiosperm	Prunus domestica	Damson		Probably introduced	TS			TS	
Angiosperm	Prunus spinosa	Blackthorn	Draighean	Native	TS			TS	
Angiosperm	Quercus robur	Oak	Dair	Native	TS			TS	
Angiosperm	Ranunculus acris	Meadow Buttercup	Fear bhan	Native	TS		TS	TS	
Angiosperm	Ranunculus repens	Creeping Buttercup	Fear bhan	Native	TS	TS	TS	TS	
Angiosperm	Ranunculus trichophyllus	Thread leaved Water Crowfoot		Native					FD 98
Angiosperm	Rorippa nasturtium-aquaticum	Watercress	Biolar	Native	TS			TS	
Angiosperm	Rorippa sylvestris	Creeping yellowcress		Probably introduced	TS			TS	
Angiosperm	Rosa canina	Dog-rose	Ros	Native	TS	TS		TS	
Angiosperm	Rubus fruticosus	Blackberry	Dris	Native	TS	TS		TS	
Angiosperm	Rumex acetosa	Common sorrel	Samhadh	Native			TS	TS	
Angiosperm	Rumex conglomeratus	Clustered dock	Copog	Native	TS	TS		TS	
Angiosperm	Rumex crispus	Curled dock	Copog	Native	TS		TS	TS	
Angiosperm	Rumex obtusifolius	Broad-leaved dock	Copog sraide	Native	TS		TS	TS	
Angiosperm	Sagittaria sagittifolia	Arrowhead		Native					FD 98
Angiosperm	Salix aurita	Eared willow	Saileach	Native	TS			TS	
Angiosperm	Salix fragilis	Crack willow	Saileach	Alien		TS		TS	
Angiosperm	Schoenoplectus lacustris	Common Club-rush	Bois-shithbhinn	Native					FD 98
Angiosperm	Scrophularia umbrosa	Green Figwort	Fothran	Native	TS			TS	FD 98
Angiosperm	Senecio aquaticus	Marsh ragwort		Native	TS			TS	
Angiosperm	Senecio jacobea	Ragwort	Buachalan bui	Native	TS	TS		TS	
Angiosperm	Senecio vulgaris	Groundsel	Gronn-lus	Native	TS			TS	
Angiosperm	Smyrnium olusatrum	Alexanders		Probably introduced	TS			TS	
Angiosperm	Solanum dulcamara	Bittersweet	Deimire gorm	Native	TS			TS	



Angiosperm	Sonchus oleraceus	Smooth sow-thistle	Bainne muice	Native	TS			TS	
Angiosperm	Sparganium emersum	Unbranched Bur-reed		Native					FD 98
Angiosperm	Sparganium erectum	Branched Bur-reed		Native					FD 98
Angiosperm	Spiraea salicifolia	Bridewort		Planted	TS	TS		TS	
Angiosperm	Stellaria media	Chickweed	Flioth	Native	TS			TS	
Angiosperm	Symphoricarpos rivularis	Snowberry		Alien	TS			TS	
Angiosperm	Taraxacum officinale agg.	Dandelion	Caisearbhan	Native	TS		TS	TS	
Angiosperm	Trifolium pratense	Red clover	Seamrog	Native	TS		TS	TS	
Angiosperm	Trifolium repens	White clover	Seamrog	Native	TS		TS	TS	
Angiosperm	Urtica dioica	Nettle	Nearnrog	Native	TS	TS	TS	TS	
Angiosperm	Veronica anagallis-aquatica	Water speedwell	Seamar chre	Native	TS			TS	
Angiosperm	Veronica chamaedrys	Germander speedwell	Seamar chre	Native	TS	TS		TS	
Angiosperm	Vicia cracca	Tufted vetch	Pis	Native	TS			TS	
Angiosperm	Vicia sepium	Wood vetch	Pis	Native	TS			TS	
Angiosperm	Viola odorata	Sweet violet	Sail chuach	?	TS	TS		TS	
Aves	Acanthis cannabina	Linnat	Gleoiseach	Native					BS 85 (nesting)
Aves	Accipiter nisus	Sparrowhawk	Sporog	Native					BS 85 (nesting)
Aves	Acrocephalus schoenobaenus	Sedge Warbler	Ceolairc cibe	Summer migrant					BS 85 (nesting)
Aves	Actitis hypoleucos	Common Sandpiper	Gobadan	Summer migrant					BS 85
Aves	Aegithalos caudatus	Long-tailed Tit	Meantán Earfhada	Native					BS 85 (nesting)
Aves	Alauda arvensis	Skylark	Fuiseog Stairiceach	Summer migrant					BS 85 (nesting)
Aves	Alcedo atthis	Kingfisher	Cruidin	Native					BS 85
Aves	Anas crecca	Teal	Praslacha	Native					BS 85
Aves	Anas platyrhynchos	Mallard	Mallard	Native					BS 85 (nesting)
Aves	Anthus pratensis	Meadow Pipit	Riabhog mhona	Native					BS 85 (nesting)
Aves	Apus apus	Swift	Gabhlan Gaoithe	Summer migrant					BS 85 (nesting)
Aves	Ardea cinerea	Grey Heron	Corr Riasc	Native					BS 85 (nesting)
Aves	Asio otus	Long-eared Owl	Ulchabhan ciuas fada	Native					BS 85 (nesting)
Aves	Aythya ferina	Pochard	Poiseard	Winter migrant					BS 85
Aves	Aythya fuligula	Tufted Duck	Lacha Bhadanach	Native					BS 85
Aves	Carduelis carduelis	Goldfinch	Lasair Choille	Native					BS 85 (nesting)
Aves	Carduelis chloris	Greenfinch	Glasán Darach	Native					BS 85 (nesting)
Aves	Carduelis flammea	Redpoll	Deargeadan	Winter migrant					BS 85
Aves	Carduelis spinus	Siskin	Siscin	Winter migrant					BS 85
Aves	Certhia familiaris	Treecreeper		Native					BS 85 (nesting)
Aves	Cinclus cinclus	Dipper	Gabha Dubh	Native					BS 85 (nesting)
Aves	Columba oenas	Stock Dove	Colm	Native					BS 85 (nesting)
Aves	Columba palumbus	Woodpigeon	Colm Coille	Native					BS 85 (nesting)
Aves	Corvus corax	Raven	Fiach Dubh	Native					BS 85 (nesting)
Aves	Corvus corone comix	Hooded Crow	Feannog	Native					BS 85 (nesting)
Aves	Corvus frugilegus	Rook	Rucach	Native					BS 85 (nesting)
Aves	Corvus monedula	Jackdaw	Cag	Native					BS 85 (nesting)
Aves	Cygnus olor	Mute Swan	Eala Bhalbh	Native			TS		BS 85 (nesting)
Aves	Delichon urbica	House Martin	Gabhlan binne	Summer migrant					BS 85 (nesting)
Aves	Emberiza citrinella	Yellowhammer	Buiog	Native					BS 85 (nesting)
Aves	Emberiza schoeniclus	Reed Bunting	Cealog Ghiolai	Native					BS 85 (nesting)
Aves	Enthacus rubecula	Robin	Spideog	Native					BS 85 (nesting)
Aves	Falco columbarius	Merlin	Meirliun	Native					BS 85
Aves	Falco peregrinus	Peregrine	Seabhac seilge	Native					BS 85
Aves	Falco tinnunculus	Kestrel	Pocaire Gaoithe	Native					BS 85 (nesting)
Aves	Fringilla coelebs	Chaffinch	Ri Rua	Native					BS 85 (nesting)
Aves	Fringilla montifringilla	Brambling	Breacan	Winter migrant					BS 85
Aves	Fulica atra	Coot	Cearc Cheannann	Native					BS 85 (nesting)



Aves	Gallinago gallinago	Snipe	Naoscach	Native				BS 85
Aves	Gallinula chloropus	Moorhen	Cearc Uisce	Native				BS 85 (nesting)
Aves	Garrulus glandarius	Jay	Screachog choille	Native				BS 85 (nesting)
Aves	Hematopus ostralegus	Oyster Catcher	Roilleach	Winter migrant				BS 85
Aves	Hirundo rustica	Swallow	Fainleog	Summer migrant				BS 85 (nesting)
Aves	Larus argentatus	Herring Gull	Faoilean Scadan	Native				BS 85
Aves	Larus canus	Common Gull	Faoilean Ban	Native				BS 85
Aves	Larus fuscus	Lesser black-back Gull		Summer migrant				BS 85
Aves	Larus mannus	Great black-back Gull	Droinneach Mor	Native				BS 85
Aves	Larus ridibundus	Black-headed Gull	Faoilean Ceandhubh	Native				BS 85
Aves	Locustella naevia	Grasshopper Warbler	Ceolaire	Summer migrant				BS 85
Aves	Motacilla alba yarrellii	Pied Wagtail	Glasog Shraide	Native				BS 85 (nesting)
Aves	Motacilla cinerea	Grey Wagtail	Glasog Liath	Native				BS 85 (nesting)
Aves	Muscicapa striata	Spotted Flycatcher		Summer migrant				BS 85 (nesting)
Aves	Numenius arquata	Curlew	Crotach	Winter migrant				BS 85
Aves	Oenanthe oenanthe	Wheatear	Clochran	Summer migrant				BS 85
Aves	Parus ater	Coal Tit	Meantán Dubh	Native				BS 85 (nesting)
Aves	Parus major	Great Tit	Meantán Mor	Native				BS 85 (nesting)
Aves	Passer domesticus	House Sparrow	Gealbhan binne	Native				BS 85 (nesting)
Aves	Passer montanus	Tree Sparrow	Gealbhan Crainn	Native				BS 85 (nesting)
Aves	Phalacrocorax carbo	Cormorant	Broigheall	Native				BS 85
Aves	Phasianus colchicus	Pheasant	Piasiún	Alien				BS 85
Aves	Phylloscopus collybita	Chiff-chaff		Summer migrant	Su			BS 85 (nesting)
Aves	Phylloscopus trochilus	Willow Warbler	Ceolaire Sail	Summer migrant				BS 85 (nesting)
Aves	Pica pica	Magpie	Snag Breac	Native				BS 85 (nesting)
Aves	Pluvialis apricaria	Golden Plover	Feadog	Winter migrant				BS 85
Aves	Podiceps cristatus	Great Crested Grebe	Lunadan	Winter migrant				BS 85
Aves	Prunella modularis	Hedge Sparrow	Donnog	Native				BS 85 (nesting)
Aves	Prus caeruleus	Blue Tit	Meantán Gorm	Native				BS 85 (nesting)
Aves	Pyrrhula pyrrhula	Bullfinch	Corcran Coille	Native				BS 85 (nesting)
Aves	Rallus aquaticus	Water Rail		Native				BS 85
Aves	Regulus regulus	Goldcrest	Ciorbhut	Native				BS 85 (nesting)
Aves	Riparia riparia	Sand Martin	Gabhlan Gainimh	Summer migrant				BS 85
Aves	Saxicola torquata	Stonechat	Caislin Cloch	Native				BS 85
Aves	Scolopax rusticola	Woodcock	Greabhan	Native				BS 85
Aves	Streptopelia decaocto	Collared Dove	Colm	Native				BS 85
Aves	Stumus vulgaris	Starling	Druid	Native				BS 85 (nesting)
Aves	Sylvia atricapilla	Blackcap	Caipín Dubh	Summer migrant				BS 85
Aves	Sylvia communis	Whitethroat		Summer migrant				BS 85
Aves	Trachybaptus ruficollis	Dabchick	Spagaire Tonn	Native				BS 85 (nesting)
Aves	Troglodytes troglodytes	Wren	Dreoilín	Native		TS		BS 85 (nesting)
Aves	Turdus iliacus	Redwing	Deargán Sneachta	Winter migrant				BS 85
Aves	Turdus merula	Blackbird	Lon Dubh	Native				BS 85 (nesting)
Aves	Turdus philomelos	Song Thrush	Smolach	Native				BS 85 (nesting)
Aves	Turdus pilaris	Fieldfare	Sacan	Winter migrant				BS 85
Aves	Turdus viscivorus	Mistle Thrush	Liatraisc	Native				BS 85 (nesting)
Aves	Tyto alba	Barn Owl	Ulcaibhan	Native				BS 85 (nesting)
Aves	Vanellus vanellus	Lapwing	Pilibín	Winter migrant				BS 85
Bryophyta	Brachythecium rivulare			Native	TS		TS	
Bryophyta	Dicranella varia			Native			TS	
Bryophyta	Ditrichum heteromallum			Native			TS	
Bryophyta	Eurhynchium praelongum			Native	TS		TS	
Bryophyta	Eurhynchium striatum			Native			TS	



Bryophyta	Fissidens bryoides			Native				TS	
Bryophyta	Fissidens taxifolius			Native				TS	
Bryophyta	Homalothecium sericeum			Native				TS	
Bryophyta	Hypnum cupressiforme			Native				TS	
Bryophyta	Physcomitrium pyriforme			Native				TS	
Bryophyta	Plagiomnium undulatum			Native				TS	
Fish	Abramis brama	Bream	Garbhanach	?					EH 88, BS 85
Fish	Anguilla anguilla	Eel	Eascann	?					EH 88, BS 85
Fish	Barbatula barbatula	Stone Loach	Cailleach	?					EH 88
Fish	Chelon labrosus	Grey Mullet	Millead	?					EH 88, DFAG
Fish	Esox lucius	Pike	Lius	Alien					BS 85
Fish	Gasterosteus aculeatus	3-spined stickleback	Snathaid mhara	?					EH 88
Fish	Gobio gobio gobio	Gudgeon	Bronnóg	?					EH 88
Fish	Perca fluviatilis	Perch	Peirne	?					EH 88, BS 85
Fish	Phoxinus phoxinus	Minnows	Piscin	Alien					EH 88
Fish	Platichthys flesus	Flounder	Leadhóg	?					EH 88
Fish	Rutilus rutilus	Roach	Roiste	?					EH 88
Fish	Salmo salar	Salmon	Bradán	Native					EH 88, DFAG, BS 85
Fish	Salmo trutta	Brown trout	Breac	Native					EH 88, DFAG, BS 85
Fungi	Claviceps purpurea			Native	TS			TS	
Fungi	Coprinus plicatilis	Japanese umbrella		Native			TS	TS	
Fungi	Laetiporus sulphureus	Sulphur polypore		Native	TS			TS	
Gymnosperm	Abies alba	Silver Fir		Planted	TS			TS	
Gymnosperm	Larix decidua	European larch		Planted		TS		TS	
Hymenoptera	Andricus hollari (resting stage)	Oak gall	Gal dara	Native				TS	
Lepidoptera	Aglais urticae	Small Tortoiseshell		Native				TS	
Lepidoptera	Inachis io	Peacock butterfly		Native				TS	
Lichen	Hypogymnia physodes			Native	TS			TS	
Lichen	Physcia tenella			Native	TS			TS	
Lichen	Xanthoria parietina			Native	TS			TS	
Mammalia	Erinaceus europaeus	Hedgehog	Graineog	Native					BS 85
Mammalia	Lutra lutra	Otter	Madra mara	Native					BS 85
Mammalia	Meles meles	Badger	Broc	Native					BS 85
Mammalia	Mustela lutreola	Mink	Minc	Alien					BS 85
Mammalia	Sciurus carolinensis	Grey squirrel	Madra chrainn	Alien			TS		BS 85
Mammalia	Sciurus vulgaris	Red Squirrel	Iona rua	Native					BS 85
Mammalia	Vulpes vulpes	Fox	Siönach	Native					BS 85
Odonata	Aeshna grandis	Brown dam dragonfly	Snathaid mhor	Native				TS	
Pteridophyta	Asplenium scolopendrium	Hart's tongue fern	Ceamh muice fiadh	Native	TS	TS		TS	
Pteridophyta	Dryopteris felix-mas	Male fern		Native		TS		TS	
Pteridophyta	Equisetum arvense	Field Horsetail	Gliogan	Native	TS	TS		TS	
Pteridophyta	Polypodium vulgare	Polypody		Native	TS	TS		TS	
Pteridophyta	Polystichum setiferum	Soft shield-fern		Native		TS		TS	



Appendix 7 - Inventory of the Liffey Valley parklands

b) Waterstown Park



Angiosperm	<i>Acer pseudoplatanus</i>	Sycamore	Crann Ban	Alien	TS	TS	TS		TS	DNFC, TS	FD 98
Angiosperm	<i>Achillea millefolium</i>	Yarrow	Athair talmhan	Native					TS	DNFC, TS	
Angiosperm	<i>Aegopodium podagraria</i>	Ground elder		Alien			TS			DNFC, TS	
Angiosperm	<i>Aesculus hippocastanum</i>	Horse-Chestnut		Planted	TS				TS	DNFC, TS	
Angiosperm	<i>Aethusa cynapium</i>	Foo's parsley		Probably introduced		TS				TS	
Angiosperm	<i>Agrimonia eupatoria</i>	Agrimony	Airgeadan	Native						DNFC	
Angiosperm	<i>Agrostis capillaris</i>	Common bent		Native	TS			TS		DNFC, TS	
Angiosperm	<i>Agrostis stolonifera</i>	Creeping bent		Native	TS	TS	TS	TS	TS	DNFC, TS	
Angiosperm	<i>Alchemilla filicaulis</i>	Hairy Lady's-mantle	Bratog mhuire	Native						DNFC	
Angiosperm	<i>Alliaria petiolata</i>	Garlic mustard		Native	TS				TS	DNFC, TS	
Angiosperm	<i>Allium ursinum</i>	Wild garlic	Gairleog	Native						DNFC	
Angiosperm	<i>Alnus glutinosa</i>	Alder	Fearnog	Native	TS		TS		TS	DNFC, TS	FD 98
Angiosperm	<i>Alopecurus geniculatus</i>	Marsh Foxtail		Native				TS	TS	DNFC, TS	
Angiosperm	<i>Alopecurus pratensis</i>	Meadow foxtail		Native				TS	TS	DNFC, TS	
Angiosperm	<i>Anagallis arvensis</i>	Scarlet pimpernel	Falcaire fiain	Native		TS				DNFC, TS	
Angiosperm	<i>Angelica sylvestris</i>	Angelica		Native			TS			DNFC, TS	
Angiosperm	<i>Anthoxanthum odoratum</i>	Vernal grass		Native				TS		DNFC, TS	
Angiosperm	<i>Anthriscus sylvestris</i>	Cow parsley		Native	TS		TS			DNFC, TS	
Angiosperm	<i>Antirrhinum majus</i>	Snapdragon		Alien						DNFC	
Angiosperm	<i>Apium nodiflorum</i>	Foo's watercress		Native			TS Millrace			DNFC, TS	
Angiosperm	<i>Arctium minus</i>	Burdock	Copog thuathail	Native		TS		TS	TS	TS	DNFC, TS
Angiosperm	<i>Arrhenatherum elatius</i>	False Oat		Native	TS	TS	TS	TS	TS	DNFC, TS	
Angiosperm	<i>Artemisia vulgaris</i>	Mugwort		Probably introduced						DNFC	
Angiosperm	<i>Arum maculatum</i>	Lords and Ladies		Native						DNFC	
Angiosperm	<i>Atriplex patula</i>	Common orache		Probably introduced		TS				DNFC, TS	
Angiosperm	<i>Atriplex prostrata</i>	Spear-leaved orache		Native						DNFC	
Angiosperm	<i>Avena fatua</i>	Oat		Alien					TS	TS	
Angiosperm	<i>Barbarea vulgaris</i>	Winter-cress		Native		TS				TS	
Angiosperm	<i>Bellis perennis</i>	Daisy	Noithin	Native						DNFC	
Angiosperm	<i>Betula pendula</i>	Silver birch	Beith	Native	TS	TS			TS	TS	
Angiosperm	<i>Brachypodium sylvaticum</i>	False Brome		Native	TS		TS			TS	
Angiosperm	<i>Brassica rapa</i>	Wild turnip		Probably introduced		TS				DNFC, TS	
Angiosperm	<i>Briza media</i>	Quaking grass		Native						DNFC	
Angiosperm	<i>Bromopsis erecta</i>	Upright brome		Native						DNFC	
Angiosperm	<i>Bromus hordeaceus</i>	Soft brome		Native						DNFC	
Angiosperm	<i>Buddleia davidii</i>	Buddleia		Alien		TS		TS	TS	TS	DNFC, TS
Angiosperm	<i>Butomus umbellatus</i>	Flowering rush		Native			TS Millrace			DNFC, FD 98, TS	FD 98
Angiosperm	<i>Callitriche platycarpa</i>	Various-leaved water-starw		Native			TS Millrace			TS	
Angiosperm	<i>Callitriche stagnalis</i>	Common water-starwort		Native			TS			TS	
Angiosperm	<i>Caitha palustris</i>	Marsh mangold		Native						DNFC	
Angiosperm	<i>Calystegia sepium</i>	Bindweed		Native	TS	TS	TS	TS	TS	DNFC, TS	
Angiosperm	<i>Capsella bursa-pastoris</i>	Shepherds purse		Native		TS				DNFC, TS	
Angiosperm	<i>Cardamine pratensis</i>	Cuckoo flower	Biolar griagain	Native						DNFC	
Angiosperm	<i>Carex acutiformis</i>	Lesser pond-sedge		Native						DNFC	
Angiosperm	<i>Carex flacca</i>	Glaucous sedge		Native		TS		TS	TS	DNFC, TS	
Angiosperm	<i>Carex hirta</i>	Hairy sedge		Native					TS	DNFC, TS	
Angiosperm	<i>Carex nigra</i>	Common sedge		Native				TS		TS	
Angiosperm	<i>Carex otrubae</i>	False fox-sedge		Native						DNFC	
Angiosperm	<i>Carex pendula</i>	Pendulous sedge		Native			TS		TS	TS	DNFC, TS
Angiosperm	<i>Catapodium rigidum</i>	Fern grass		Native					TS	DNFC, TS	
Angiosperm	<i>Centaurea nigra</i>	Knapweed	Mullach dubh	Native		TS	TS	TS	TS	DNFC, TS	
Angiosperm	<i>Centranthus ruber</i>	Red valerian		Alien						DNFC	
Angiosperm	<i>Cerastium fontanum</i>	Common mouse-ear		Native		TS			TS	DNFC, TS	



Angiosperm	Cerastium glomeratum	Sticky mouse-ear		Native								DNFC	
Angiosperm	Chamerion angustifolium	Rosebay willowherb		Probably introduced					TS		TS	DNFC, TS	
Angiosperm	Chenopodium album	Fat hen		Probably introduced		TS				TS		TS	
Angiosperm	Chenopodium bonus-henricus	Good King Henry		Alien		TS						TS	
Angiosperm	Cirsium arvense	Creeping Thistle	Feochadan	Native	TS	TS	TS	TS	TS			DNFC, TS	
Angiosperm	Cirsium vulgare	Spear thistle	Feochadan	Native		TS						DNFC, TS	
Angiosperm	Conopodium majus	Pignut		Native							TS	TS	
Angiosperm	Cornus sericea	Red osier		Alien	TS							TS	
Angiosperm	Coronopus didymus	Lesser swine's cress		Probably introduced		TS						DNFC, TS	
Angiosperm	Coronopus squamatus	Swine's cress		Probably introduced								DNFC	
Angiosperm	Corylus avellana	Hazel	Coll	Native	TS	TS				TS	TS	DNFC, TS	
Angiosperm	Cotoneaster microphyllus	Small leaved Cotoneaster		Planted							TS	TS	
Angiosperm	Crataegus monogyna	Hawthorn	Scheach goall	Native	TS	TS	TS			TS	TS	DNFC, TS	
Angiosperm	Crepis biennis	Rough hawksbeard		Native								DNFC	
Angiosperm	Crepis capillaris	Smooth Hawksbeard		Native		TS				TS		DNFC, TS	
Angiosperm	Crepis vesicaria	Beaked hawksbeard		Alien								DNFC	
Angiosperm	Cupressus macrocarpa			Planted								DNFC	
Angiosperm	Cymbalaria muralis	Hy-leaved toadflax		Alien								DNFC	
Angiosperm	Cynosurus cristatus	Dog's tail		Native						TS		DNFC, TS	
Angiosperm	Dactylis glomerata	Cock's foot grass		Native	TS	TS	TS	TS	TS	TS	TS	DNFC, TS	
Angiosperm	Dactylorhiza fuchsii	Common spotted orchid		Native								DNFC, SL pc	
Angiosperm	Daucus carota	Carrot		Native						TS		TS	
Angiosperm	Dipsacus fullorum	Teasel		Native						TS		DNFC, TS	
Angiosperm	Elodea canadensis	Canadian Waterweed		Alien			TS					TS	FD 98
Angiosperm	Elytigia repens	Couch grass		Native		TS	TS	TS	TS	TS	TS	DNFC, TS	
Angiosperm	Epilobium ciliatum	American willowherb		Alien								DNFC	
Angiosperm	Epilobium hirsutum	Great willowherb		Native	TS	TS	TS	TS	TS	TS	TS	DNFC, TS	
Angiosperm	Epilobium montanum	Broad-leaved willowherb		Native		TS						TS	
Angiosperm	Epilobium obscurum	Short-fruited willowherb		Native								DNFC	
Angiosperm	Epilobium palustre	Marsh willowherb		Native		TS						TS	
Angiosperm	Epilobium parviflorum	Hoary willowherb		Native	TS	TS				TS	TS	DNFC, TS	
Angiosperm	Equisetum sylvaticum	Wood horsetail	Giogan	Native			TS			TS	TS	TS	
Angiosperm	Escalonia macrantha	Escalonia		Planted							TS	TS	
Angiosperm	Eupatorium cannabinum	Hemp agrimony		Native				TS Millrace			TS	DNFC, TS	
Angiosperm	Euphorbia helioscopia	Sun spurge		Probably introduced		TS						DNFC, TS	
Angiosperm	Euphorbia peplus	Petty spurge		Probably introduced		TS						DNFC, TS	
Angiosperm	Fagus sylvatica	Beech	Fea	Alien						TS		DNFC, TS	
Angiosperm	Fallopia baldschuanicum	Russian-vine		Alien								DNFC	
Angiosperm	Fallopia convolvulus	Black bindweed		Probably introduced		TS						TS	
Angiosperm	Fallopia japonica	Japanese knotweed		Alien				TS Millrace		TS	TS	DNFC, TS	
Angiosperm	Festuca altissima	Green fescue		Native								FD 98	
Angiosperm	Festuca arundinacea	Tall fescue		Native					TS	TS		DNFC, TS	
Angiosperm	Festuca gigantea	Giant fescue		Native			TS					TS	
Angiosperm	Festuca pratensis	Meadow fescue		Native								DNFC	
Angiosperm	Festuca rubra	Red fescue		Native	TS	TS	TS Millrace	TS	TS	TS	TS	DNFC, TS	
Angiosperm	Filipendula ulmaria	Meadowsweet	Airgead luachra	Native	TS		TS	TS	TS	TS	TS	DNFC, TS	
Angiosperm	Fraxinus excelsior	Ash	Fuinneog	Native	TS	TS	TS				TS	DNFC, TS	FD 98
Angiosperm	Fumaria muralis	Common fumitory		Probably introduced								DNFC	
Angiosperm	Fumaria officinalis	Western fumitory		Probably introduced		TS						TS	
Angiosperm	Galium aparine	Goosegrass	Garbhilus	Native	TS	TS	TS	TS	TS	TS		DNFC, TS	
Angiosperm	Galium verum	Lady's Bedstraw		Native				TS				DNFC, TS	
Angiosperm	Geranium dissectum	Cut-leaved cranesbill		Native								DNFC	
Angiosperm	Geranium molle	Dove's foot cranes bill		Native					TS	TS	TS	DNFC, TS	





Angiosperm	Matricaria discoidea	Pineappleweed		Alien					TS			DNFC, TS	
Angiosperm	Medicago lupulina	Black Medick		Native		TS		TS	TS	TS		DNFC, TS	
Angiosperm	Melilotus officinalis	Ribbed melilot		Probably introduced								DNFC	
Angiosperm	Mentha aquatica	Water Mint	Mismin	Native			TS					DNFC, TS	
Angiosperm	Mentha spicata	Spear mint	Mismin	Alien						TS ? Xpiperat		TS	
Angiosperm	Mimulus guttatus	Monkey flower		Alien			TS					TS	
Angiosperm	Myosotis scorpioides	Water forget-me-not		Native	TS Floodplain			TS Millrace				DNFC, TS	
Angiosperm	Myriophyllum spicatum	Spiked Water-milfoil		Native								DNFC	FD 98
Angiosperm	Nuphar lutea	Yellow Water-lily		Native			TS					TS	FD 98
Angiosperm	Odontites verna	Red Bartsia		Native		TS		TS	TS	TS		DNFC, TS	
Angiosperm	Orobanche hederarum	Ivy Broomrape		Native			TS		TS			DNFC, FD 98, TS	
Angiosperm	Papaver dubium	Long-headed poppy	Poipin	Probably introduced								DNFC	
Angiosperm	Papaver rhoeas	Common poppy	Caithleach dearg	Probably introduced		TS						DNFC, TS	
Angiosperm	Papaver somniferum	Opium poppy	Codlaidin	Alien								DNFC	
Angiosperm	Persicaria amphibia	Amphibious bistort		Native				TS			TS	DNFC, TS	
Angiosperm	Persicaria maculosa	Redshank	Giuneach dearg	Native		TS		TS			TS	DNFC, TS	
Angiosperm	Petasites fragrans	Winter heliotrope		Alien	TS	TS	TS	TS				TS	
Angiosperm	Petasites hybridus	Butterbur	Gallan mor	Native	TS	TS	TS		TS			TS	
Angiosperm	Phalaris arundinacea	Reed canary-grass		Native	TS		TS	TS	TS			DNFC, TS	FD 98
Angiosperm	Phleum pratense	Timothy grass		Native				TS	TS			DNFC, TS	
Angiosperm	Pimpinella saxifraga	Bumet-saxifrage		Native								DNFC	
Angiosperm	Plantago lanceolata	Ribwort	Slanlus	Native		TS		TS	TS	TS		DNFC, TS	
Angiosperm	Plantago major	Plantain		Native		TS			TS			DNFC, TS	
Angiosperm	Poa annua	Annual meadow-grass		Native				TS				DNFC, TS	
Angiosperm	Poa pratensis	Smooth meadow-grass		Native				TS	TS			DNFC, TS	
Angiosperm	Poa trivialis	Rough meadow-grass		Native								DNFC	
Angiosperm	Polygonum aviculare	Knotgrass		Native		TS				TS		DNFC, TS	
Angiosperm	Populus alba	Silver poplar		Planted	TS							TS	
Angiosperm	Populus tremula	Aspen		Introduced							TS	DNFC, TS	
Angiosperm	Populus trichocarpa	Western Balsam-poplar		Planted								DNFC	
Angiosperm	Populus x canadensis	Grey poplar		Planted							TS	TS	
Angiosperm	Potamogeton berchtoldii	Small pondweed	Duilleasc na abhann	Native									FD 98
Angiosperm	Potamogeton crispus	Curled pondweed	Duilleasc na abhann	Native									FD 98
Angiosperm	Potamogeton natans	Broad-leaved pondweed	Duilleasc na abhann	Native			TS Millrace					TS	FD 98
Angiosperm	Potamogeton pectinatus	Fennel pondweed	Duilleasc na abhann	Native								DNFC	FD 98
Angiosperm	Potamogeton x salicifolium	Willow-leaved pondweed	Duilleasc na abhann	Native									FD 98
Angiosperm	Potamogeton x zizii	Long-leaved pondweed	Duilleasc na abhann	Native									DNFC
Angiosperm	Potentilla anserina	Silverweed	Brosclan	Native	TS	TS		TS	TS			DNFC, TS	
Angiosperm	Potentilla reptans	Creeping cinquefoil	Cuig-mhearach	Native	TS	TS		TS	TS	TS		DNFC, TS	
Angiosperm	Primula veris	Cowslip		Native								DNFC	
Angiosperm	Primula vulgaris	Primrose		Native								DNFC	
Angiosperm	Prunella vulgaris	Self Heal		Native				TS			TS	DNFC, TS	
Angiosperm	Prunus avium	Wild Cherry	Crann sitin	Native							TS	DNFC, TS	
Angiosperm	Prunus domestica	Damson		Probably introduced					TS	TS		TS	
Angiosperm	Prunus spinosa	Blackthorn	Draighean	Native			TS		TS	TS		DNFC, TS	
Angiosperm	Quercus robur	Oak	Dair	Native				TS		TS		DNFC, TS	
Angiosperm	Ranunculus acris	Meadow Buttercup	Fear bhan	Native				TS	TS	TS		DNFC, TS	
Angiosperm	Ranunculus aquatilis	Common water crowfoot		Native					TS	TS		TS	
Angiosperm	Ranunculus bulbosus	Bulbous buttercup	Fear bhan	Native								DNFC	
Angiosperm	Ranunculus flammula	Lesser spearwort		Native								DNFC	
Angiosperm	Ranunculus repens	Creeping Buttercup	Fear bhan	Native	TS	TS	TS Millrace	TS	TS			DNFC, TS	
Angiosperm	Ranunculus trichophyllus	Thread leaved Water Crowf		Native									FD 98
Angiosperm	Raphanus raphanistrum	Wild radish		Alien	TS	TS						TS	







Aves	Turdus pilaris	Fieldfare	Sacan	Winter migrant							BS 85
Aves	Turdus viscivorus	Mistle Thrush	Liatraisc	Native							BS 85 (nesting)
Aves	Tyto alba	Barn Owl	Uicabhan	Native							BS 85 (nesting)
Aves	Vanellus vanellus	Lapwing	Pilibin	Winter migrant							BS 85
Bryophyta	Brachythecium rutabulum			Native	TS		TS	TS			TS
Bryophyta	Bryum capillare			Native					TS		TS
Bryophyta	Eurhynchium praelongum			Native	TS		TS				TS
Bryophyta	Eurhynchium striatum			Native					TS		TS
Bryophyta	Leptodictyum riparium			Native			TS				TS
Bryophyta	Plagiomnium undulatum			Native	TS		TS				TS
Coleoptera	Psylliobora 22-punctata	22 spotted ladybird	Boin	Native							TS
Fish	Abramis brama	Bream	Garbhanach	?							EH 88, BS 85
Fish	Anguilla anguilla	Eel	Eascann	?							EH 88, BS 85
Fish	Barbatula barbatula	Stone Loach	Cailleach	?							EH 88
Fish	Chelon labrosus	Grey Mullet	Millead	?							EH 88, DFAG
Fish	Esox lucius	Pike	Lius	Alien							BS 85
Fish	Gobio gobio gobio	Gudgeon	Bronnog	?							EH 88
Fish	Hasterosteus aculeatus	3-spined stickleback	Snathaid mhara	?							EH 88
Fish	Perca fluviatilis	Perch	Peirse	?							EH 88, BS 85
Fish	Phoxinus phoxinus	Minnows	Piscin	Alien							EH 88
Fish	Platichthys flesus	Flounder	Leadhbog	?							EH 88
Fish	Rutilus rutilus	Roach	Roiate	?							EH 88
Fish	Salmo salar	Salmon	Bradán	Native							EH 88, DFAG, BS 8
Fish	Salmo trutta	Brown trout	Breac	Native							EH 88, DFAG, BS 8
Fungi	Agaricus placomyces			Native	TS						TS
Fungi	Claviceps purpurea	Ergot		Native				TS			TS
Fungi	Collybia butyracea	Buttercap		Native				TS			TS
Fungi	Coprinus comatus	Shaggy Inkcap		Native							TS
Fungi	Inocybe hirtella			Native			TS				TS
Fungi	Langermannia gigantea	Giant puffball		Native							TS
Fungi	Marasmius oreades	Fairy ring champignon		Native					TS		TS
Fungi	Panaeolus foenicisii	Hay cap		Native	TS						TS
Fungi	Panaeolus sphinctrinus			Native				TS			TS
Fungi	Russula atropurpurea	Purple Russula		Native			TS				TS
Gymnosperm	Carmaecyparis sp.	Cypress		Planted					TS (bagged)		TS
Gymnosperm	Larix decidua	European larch		Planted	TS						TS
Gymnosperm	Picea abies	Norway spruce		Planted					TS		TS
Gymnosperm	Thuja plicata	Cedar		Planted			TS Millrace				TS
Hymenoptera	Andricus hollari (resting stage)	Oak gall	Gai dara	Native							TS
Hymenoptera	Philanthus triangulum	Bee-killer wasp	Puch	Alien							TS
Lepidoptera	Maniola jurtina	Meadow brown butterfly		Native							TS
Lepidoptera	Pieris rapae	Small white butterfly		Native							TS
Lepidoptera	Vanessa atalanta	Red admiral		Native							TS
Mammalia	Erinaceus europaeus	Hedgehog	Graineog	Native							BS 85
Mammalia	Lutra lutra	Otter	Madra mara	Native						Rr pc	BS 85
Mammalia	Meles meles	Badger	Broc	Native						Rr pc	BS 85
Mammalia	Mustela lutreola	Mink	Minc	Alien							BS 85
Mammalia	Oryctolagus cuniculus	Rabbit	Coinin	Alien						Rr pc	
Mammalia	Rattus sp.	Brown rat	Francach donn	Native						Rr pc	
Mammalia	Sciurus carolinensis	Grey squirrel	Madra chrainn	Alien						Rr pc	BS 85
Mammalia	Sciurus vulgaris	Red Squirrel	Iona rua	Native							BS 85
Mammalia	Vulpes vulpes	Fox	Sionnach	Native						Rr pc	BS 85
Odonata	Aeshna grandis	Brown dam dragonfly	Snathaid mhor	Native							TS





Appendix 7 - Inventory of the Liffey Valley Parklands

c) Stewart's Hospital



Aves	Vanelus vanellus	Lapwing	Pilibin	Winter migrant						BS 85
Bryophyta	Amblystegium serpens			Native					TS	
Bryophyta	Amblystegium varium			Native				TS	TS	
Bryophyta	Brachythecium rutabulum			Native				TS	TS	
Bryophyta	Eurhynchium praelongum			Native					TS	
Bryophyta	Fissidens taxifolius			Native					TS	
Bryophyta	Isoetecium myosuroides			Native					TS	
Bryophyta	Plagiomnium undulatum			Native	TS				TS	
Bryophyta	Pottia starkeana			Native				TS	TS	
Bryophyta	Thamnobryum alopecurum			Native	TS				TS	
Coleoptera	Chorthippus brunneus	Field Grasshopper	Dreoilin	Native					TS	
Fish	Abramis brama	Bream	Garbhanach	?						EH 88, BS 85
Fish	Anguilla anguilla	Eel	Eascann	?						EH 88, BS 85
Fish	Barbatula barbatula	Stone Loach	Cailleach	?						EH 88
Fish	Chelon labrosus	Grey Mullet	Millead	?						EH 88, DFAG
Fish	Esox lucius	Pike	Lius	Alien						BS 85
Fish	Gasterosteus aculeatus	3-spined stickleback	Snathaid mhara	?						EH 88
Fish	Gobio gobio gobio	Gudgeon	Bronnog	?						EH 88
Fish	Perca fluviatilis	Perch	Peirse	?						EH 88, BS 85
Fish	Phoxinus phoxinus	Minnows	Piscin	Alien						EH 88
Fish	Platichthys flesus	Flounder	Leadhbog	?						EH 88
Fish	Rutilus rutilus	Roach	Roiste	?						EH 88
Fish	Salmo salar	Salmon	Bradán	Native						EH 88, DFAG, BS 8
Fish	Salmo trutta	Brown trout	Breac	Native						EH 88, DFAG, BS 8
Fungi	Russula cyanoxantha	Charcoal burner		Native					TS	
Gymnosperm	Chamaecyparis sp.			Planted			TS Standing		TS	
Gymnosperm	Cryptomeria japonica			Planted			TS Standing		TS	
Gymnosperm	Cupressus cyperis leylandii	Leyland cypress		Planted			TS Standing		TS	
Gymnosperm	Juniperus communis "Hibernica"	Juniper		Planted				TS	TS	
Gymnosperm	Larix decidua	European larch		Planted			TS Standing		TS	
Gymnosperm	Picea sp.	Spruce		Planted	TS				TS	
Gymnosperm	Pinus nigra	Austrian pine		Planted			TS Standing		TS	
Gymnosperm	Pinus sylvestris	Scots pine	Giuis	Planted (?Native)	TS		TS Standing		TS	
Gymnosperm	Taxus baccata	Yew	Iur	Planted (Native)			TS Standing		TS	
Hymenoptera	Andricus hollari (resting stage)	Oak gall	Gal dara	Native					TS	
Hymenoptera	Diplolepis rosae (resting stage)	Rose gall	Gal ros	Native					TS	
Lepidoptera	Inachis io	Peacock butterfly		Native					TS	
Lepidoptera	Maniola jurtina	Meadow brown butterfly		Native					TS	
Lepidoptera	Pieris rapae	Small white butterfly		Native					TS	
Lichen	Collema auriforme			Native					TS	
Mammalia	Erinaceus europaeus	Hedgehog	Graineog	Native						BS 85
Mammalia	Lutra lutra	Otter	Madra mara	Native						BS 85
Mammalia	Meles meles	Badger	Broc	Native						BS 85
Mammalia	Mus musculus	House Mouse	Luch ti	Native	TS				TS	
Mammalia	Mustela lutreola	Mink	Minc	Alien						BS 85
Mammalia	Sciurus carolinensis	Grey squirrel	Madra chrainn	Alien						BS 85
Mammalia	Sciurus vulgaris	Red Squirrel	Iona rua	Native						BS 85
Mammalia	Vulpes vulpes	Fox	Sionnach	Native						BS 85
Pteridophyta	Asplenium ruta-muraria	Wall rue		Native				TS	TS	
Pteridophyta	Asplenium scolopendrium	Hart's tongue fern	Ceamh muice iadh	Native	TS			TS	TS	
Pteridophyta	Dryopteris felix-mas	Male fern		Native	TS				TS	
Pteridophyta	Polypodium vulgare	Polypody		Native	TS		TS		TS	
Pteridophyta	Polystichium setiferum	Soft shield-fern		Native	TS				TS	



Angiosperm	Acer pseudoplatanus	Sycamore	Crann Ban	Alien			TS	TS	TS	FD 98
Angiosperm	Aesculus hippocastanum	Horse-Chestnut		Planted		TS Standing	TS		TS	
Angiosperm	Agrostis stolonifera	Creeping bent		Native		TS		TS	TS	
Angiosperm	Ailanthus altissima	Tree-of-heaven		Planted		TS Standing			TS	
Angiosperm	Allium carinatum	Keefed garlic		Alien			TS		TS	
Angiosperm	Alnus glutinosa	Alder	Fearmog	Native						FD 98
Angiosperm	Anagallis arvensis	Scarlet pimpernel	Falcaire fiain	Native		TS			TS	
Angiosperm	Angelica sylvestris	Angelica		Native	TS			TS	TS	
Angiosperm	Anthriscus sylvestris	Cow parsley		Native	TS		TS	TS	TS	
Angiosperm	Apium nodiflorum	Foo's watercress		Native			TS		TS	
Angiosperm	Arctium minus	Burdock	Copog thuathail	Native	TS			TS	TS	
Angiosperm	Arrhenatherum elatius	Fake Oat		Native	TS	TS		TS	TS	
Angiosperm	Arum maculatum	Lords and Ladies		Native	TS		TS	TS	TS	
Angiosperm	Atriplex patula	Common orache		Probably introduced		TS			TS	
Angiosperm	Bellis perennis	Daisy	Noithin	Native		TS			TS	
Angiosperm	Berberis vulgaris	Barberry		Planted	TS			TS	TS	
Angiosperm	Betula pubescens	Downy birch	Beith	Native		TS Standing			TS	
Angiosperm	Brachypodium sylvaticum	False Brome		Native	TS				TS	
Angiosperm	Bromopsis ramosa	Hairy brome		Native	TS				TS	
Angiosperm	Buddleia davidii	Buddleia		Alien	TS	TS Standing			TS	
Angiosperm	Butomus umbellatus	Flowering rush		Native						FD 98
Angiosperm	Buxus sempervirens	Box		Planted				TS	TS	
Angiosperm	Calystegia sepium	Bindweed		Native	TS				TS	
Angiosperm	Cardamine flexuosa	Wavy bittercress		Native			TS		TS	
Angiosperm	Carex flacca	Glaucous sedge		Native			TS		TS	
Angiosperm	Carex pendula	Pendulous sedge		Native			TS		TS	
Angiosperm	Carex sylvatica	Wood sedge		Native				TS	TS	
Angiosperm	Castanea sativa	Sweet Chestnut		Planted		TS Standing			TS	
Angiosperm	Centaureum erythraea	Common centaury	Dreimire mhuire	Native		TS			TS	
Angiosperm	Cerastium fontanum	Common mouse-ear		Native	TS	TS			TS	
Angiosperm	Chamerion angustifolium	Rosebay willowherb		Probably introduced			TS		TS	
Angiosperm	Chenopodium album	Fat hen		Probably introduced		TS	TS		TS	
Angiosperm	Circaea lutetiana	Enchanter's nightshade	Fuinseagach	Native	TS				TS	
Angiosperm	Cirsium arvense	Creeping Thistle	Feachadan	Native		TS		TS	TS	
Angiosperm	Cirsium vulgare	Spear thistle	Feachadan	Native		TS		TS	TS	
Angiosperm	Convolvulus arvensis	Field bindweed		Native		TS			TS	
Angiosperm	Cornus sanguinea	Dog wood		Native				TS	TS	
Angiosperm	Corylus avellana	Hazel	Coll	Native			TS		TS	
Angiosperm	Cotoneaster microphyllus	Small leaved Cotoneaster		Planted	TS			TS	TS	
Angiosperm	Cotoneaster myriophylla			Planted		TS Standing			TS	
Angiosperm	Cotoneaster wardii			Planted		TS Standing			TS	
Angiosperm	Crategeus monogyna	Hawthorn	Scheach geall	Native			TS	TS	TS	
Angiosperm	Crepis capillaris	Smooth Hawksbeard		Native				TS	TS	
Angiosperm	Cymbalaria muralis	Ivy-leaved toadflax		Alien				TS	TS	
Angiosperm	Dactylis glomerata	Cook's foot grass		Native		TS		TS	TS	
Angiosperm	Elodea canadensis	Canadian Waterweed		Alien						FD 98
Angiosperm	Elytigia repens	Couch grass		Native				TS	TS	
Angiosperm	Epilobium hirsutum	Great willowherb		Native		TS	TS	TS	TS	
Angiosperm	Epilobium montanum	Broad-leaved willowherb		Native				TS	TS	
Angiosperm	Epilobium parviflorum	Hoary willowherb		Native			TS		TS	
Angiosperm	Equisetum sylvaticum	Wood horsetail	Gliogan	Native	TS	TS			TS	
Angiosperm	Escallonia macrantha	Escallonia		Planted				TS	TS	
Angiosperm	Eucalyptus glandulus			Planted		TS Standing			TS	



Angiosperm	Eucalyptus sp.	Eucalyptus		Planted		TS Standing		TS	
Angiosperm	Eupatorium cannabinum	Hemp agrimony		Native	TS		TS	TS	
Angiosperm	Euphorbia helioscopia	Sun spurge		Probably introduced		TS	TS	TS	
Angiosperm	Euphorbia peplus	Petty spurge		Probably introduced		TS		TS	
Angiosperm	Fagus sylvatica	Beech	Fea	Alien	TS			TS	TS
Angiosperm	Festuca rubra	Red fescue		Native	TS	TS		TS	TS
Angiosperm	Filipendula ulmaria	Meadowsweet	Airgead luachra	Native	TS			TS	
Angiosperm	Fraxinus excelsior	Ash	Fuinneog	Native	TS			TS	TS
Angiosperm	Fumaria officinalis	Western fumitory		Probably introduced		TS		TS	FD 98
Angiosperm	Galium aparine	Goosegrass	Garbhluas	Native		TS		TS	
Angiosperm	Galium verum	Lady's Bedstraw		Native		TS		TS	
Angiosperm	Geranium robertianum	Herb robert	Earball ri	Native	TS			TS	TS
Angiosperm	Geum urbanum	Wood avens	Machall coille	Native	TS			TS	TS
Angiosperm	Glechoma hederacea	Ground Ivy		Native	TS			TS	
Angiosperm	Glyceria maxima	Reed Sweet grass		Native					FD 98
Angiosperm	Hebe cupressoides			Planted				TS	TS
Angiosperm	Hebe speciosa			Planted				TS	TS
Angiosperm	Hedera helix	Ivy	Eidhnean	Native	TS			TS	TS
Angiosperm	Heracleum sphondylium	Hogweed	Feabhran	Native			TS	TS	TS
Angiosperm	Holcus lanatus	Yorkshire Fog		Native		TS		TS	TS
Angiosperm	Hypericum androsaemum	Tutsan		Native				TS	TS
Angiosperm	Hypericum calycinum	Rose of Sharon	Luibh eoin bhaiste	Alien	TS			TS	TS
Angiosperm	Hypericum hirsutum	Hairy St. Johns Wort	Luibh eoin bhaiste	Native	TS			TS	
Angiosperm	Hypericum perforatum	Perforate St. John's Wort	Luibh eoin bhaiste	Native		TS		TS	
Angiosperm	Hypochoeris radicata	Cat's ear		Native				TS	TS
Angiosperm	Ilex sp.			Planted	TS				TS
Angiosperm	Ilex sp.	Variegated Holly		Planted		TS Standing			TS
Angiosperm	Impatiens glandulifera	Himalayan balsam		Alien			TS	TS	TS
Angiosperm	Lamium purpureum	Red Dead-Nettle	Neantog chaoch	Native				TS	TS
Angiosperm	Lapsana communis	Nipplewort	Duilleog maith	Native			TS		TS
Angiosperm	Lathyrus pratensis	Meadow vetch	Pis buidhe	Native		TS		TS	TS
Angiosperm	Lemna minor	Common duckweed		Native			TS		TS
Angiosperm	Ligustrum vulgare	Privet		Native (also planted)		TS		TS	TS
Angiosperm	Lolium perenne	Perennial rye-grass		Native		TS		TS	TS
Angiosperm	Medicago lupulina	Black Medick		Native		TS			TS
Angiosperm	Mentha aquatica	Water Mint	Mismin	Native			TS		TS
Angiosperm	Myosotis ramosissima	Early forget-me-not		Native		TS			TS
Angiosperm	Myriophyllum spicatum	Spiked Water-milfoil		Native					FD 98
Angiosperm	Nuphar lutea	Yellow Water-lily		Native					FD 98
Angiosperm	Odonites verna	Red Bartsia		Native		TS			TS
Angiosperm	Orobanche hederæ	Ivy Broomrape		Native				TS	TS
Angiosperm	Papaver rhoeas	Common poppy	Caitheach dearg	Probably introduced		TS			TS
Angiosperm	Panetaria judaica	Pellitory of the wall		Native		TS			TS
Angiosperm	Persicaria hydropiper	Water-pepper	Gluineach the	Native			TS		TS
Angiosperm	Persicaria maculosa	Redshank	Gluineach dearg	Native			TS		TS
Angiosperm	Petasites fragrans	Winter heliotrope		Alien	TS		TS	TS	TS
Angiosperm	Petasites hybridus	Butterbur	Gallan mor	Native		TS		TS	TS
Angiosperm	Phalaris arundinacea	Reed canary-grass		Native			TS		TS
Angiosperm	Phleum pratense	Timothy grass		Native		TS		TS	TS
Angiosperm	Phylladelphus coronaria			Planted		TS Standing			TS
Angiosperm	Plantago lanceolata	Ribwort	Stanlus	Native		TS		TS	TS
Angiosperm	Plantago major	Plantain		Native	TS	TS			TS
Angiosperm	Poa annua	Annual meadow-grass		Native		TS			TS



Angiosperm	Polygonum aviculare	Knotgrass		Native	TS			TS	TS	
Angiosperm	Populus alba	Silver poplar		Planted		TS Standing			TS	
Angiosperm	Populus nigra	Black poplar		Planted		TS Standing		TS	TS	
Angiosperm	Populus sp.	Variagated poplar		Planted		TS Standing			TS	
Angiosperm	Populus x canescens	Grey poplar		Planted		TS Standing			TS	
Angiosperm	Potamogeton bertholdii	Small pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	Potamogeton crispus	Curled pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	Potamogeton natans	Broad-leaved pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	Potamogeton pectinatus	Fennel pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	Potamogeton x salicifolium	Willow-leaved pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	Potentilla anserina	Silverweed	Briosclan	Native		TS			TS	
Angiosperm	Potentilla fruticosa	Shrubby cinquefoil		Planted				TS	TS	
Angiosperm	Potentilla reptans	Creeping cinquefoil	Cuig-mhearach	Native		TS		TS	TS	
Angiosperm	Prunella vulgaris	Self Heal		Native	TS				TS	
Angiosperm	Prunus avium	Wild Cherry	Crann sílín	Native		TS Standing			TS	
Angiosperm	Prunus laurocerasus	Cherry laurel		Alien	TS		TS	TS	TS	
Angiosperm	Prunus lusitana	Portugal laurel		Planted		TS Standing			TS	
Angiosperm	Prunus sp.	Black plum		Planted		TS			TS	
Angiosperm	Pyracantha coccinea	Firethorn		Planted		TS Standing			TS	
Angiosperm	Ranunculus acris	Meadow Buttercup	Fear bhan	Native		TS		TS	TS	
Angiosperm	Ranunculus repens	Creeping Buttercup	Fear bhan	Native		TS	TS	TS	TS	
Angiosperm	Ranunculus scleratus	Celery leaved buttercup	Torachas biadhain	Native			TS		TS	
Angiosperm	Ranunculus trichophyllus	Thread leaved Water Crowfo		Native						FD 98
Angiosperm	Raphanus raphanistrum	Wild radish		Alien			TS		TS	
Angiosperm	Rhus typhina			Planted	TS				TS	
Angiosperm	Rorippa nasturtium-aquaticum	Watercress	Biolar	Native			TS		TS	
Angiosperm	Rosa canina	Dog-rose	Ros	Native	TS			TS	TS	
Angiosperm	Rosa rugosa	Japanese rose	Ros	Native (planted exte				TS	TS	
Angiosperm	Rosmarinus officinalis	Rosemary		Planted				TS	TS	
Angiosperm	Rubus fruticosus	Blackberry	Dria	Native				TS	TS	
Angiosperm	Rubus sp.			?				TS	TS	
Angiosperm	Rumex acetosella	Sheep's sorrel	Samhradh caorach	Native	TS				TS	
Angiosperm	Rumex conglomeratus	Clustered dock	Copog	Native			TS		TS	
Angiosperm	Rumex crispus	Curled dock	Copog	Native		TS		TS	TS	
Angiosperm	Rumex obtusifolius	Broad-leaved dock	Copog sraide	Native		TS		TS	TS	
Angiosperm	Rumex sanguineus	Wood dock	Copog	Native				TS	TS	
Angiosperm	Sagittaria sagittifolia	Arrowhead		Native						FD 98
Angiosperm	Salix babylonica	Weeping willow	Saileach	Planted	TS				TS	
Angiosperm	Salix fragilis	Crack willow	Saileach	Alien				TS	TS	
Angiosperm	Salix viminalis	Osier	Saileach	Alien	TS		TS	TS	TS	
Angiosperm	Sambucus nigra	Elder	Trom	Native	TS		TS	TS	TS	
Angiosperm	Santolina chamaecyparissus			Planted		TS Standing			TS	
Angiosperm	Schoenoplectus lacustris	Common Club-rush	Bois-shithbhín	Native						FD 98
Angiosperm	Scrophularia umbrosa	Green Figwort	Fothran	Native			TS	TS	TS	FD 98
Angiosperm	Senecio erucifolius	Hoary ragwort		Native				TS	TS	
Angiosperm	Senecio greyii			Planted		TS Standing			TS	
Angiosperm	Senecio jacobea	Ragwort	Buachalan bui	Native			TS	TS	TS	
Angiosperm	Senecio vulgaris	Groundsel	Gronn-lus	Native				TS	TS	
Angiosperm	Sisymbrium officinale	Hedge mustard		Native			TS	TS	TS	
Angiosperm	Smyrnium olusatrum	Alexanders		Probably introduced	TS				TS	
Angiosperm	Solanum dulcamara	Bittersweet	Deimire gorm	Native			TS		TS	
Angiosperm	Sonchus asper	Prickly sow-thistle	Bainne muice	Native				TS	TS	
Angiosperm	Sonchus oleraceus	Smooth sow-thistle	Bainne muice	Native			TS		TS	





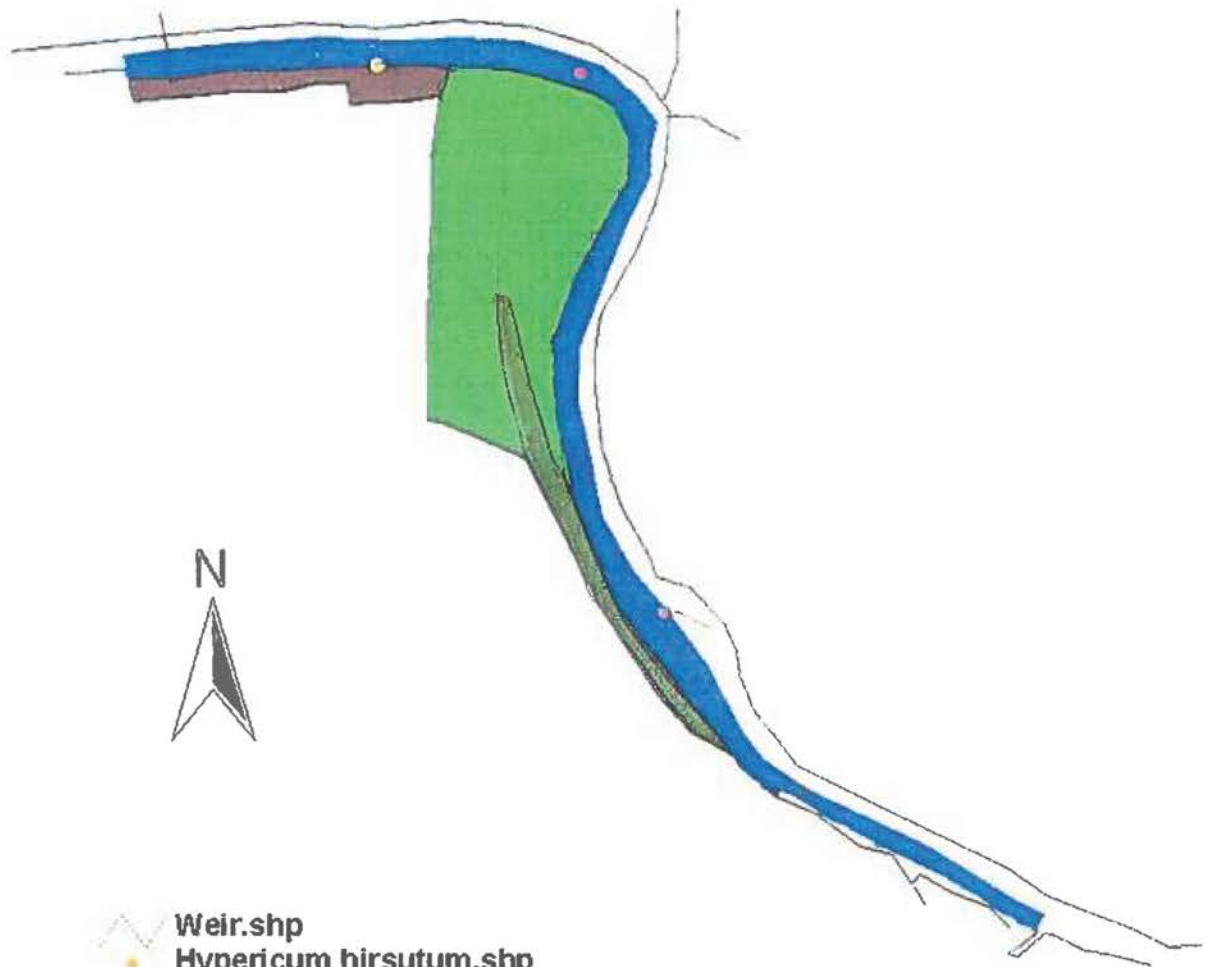


Appendix 8 – Habitat map of Liffey Valley Parklands

a) Leixlip stretch



Lucan-Leixlip Park



-  Weir.shp
-  *Hypericum hirsutum*.shp
-  *Scrophularia umbrosa*.shp
-  Path.shp
-  River.shp
- Habitats.shp
 -  Woodland
 -  Riverside
 -  Hedgerow
 -  Grassland

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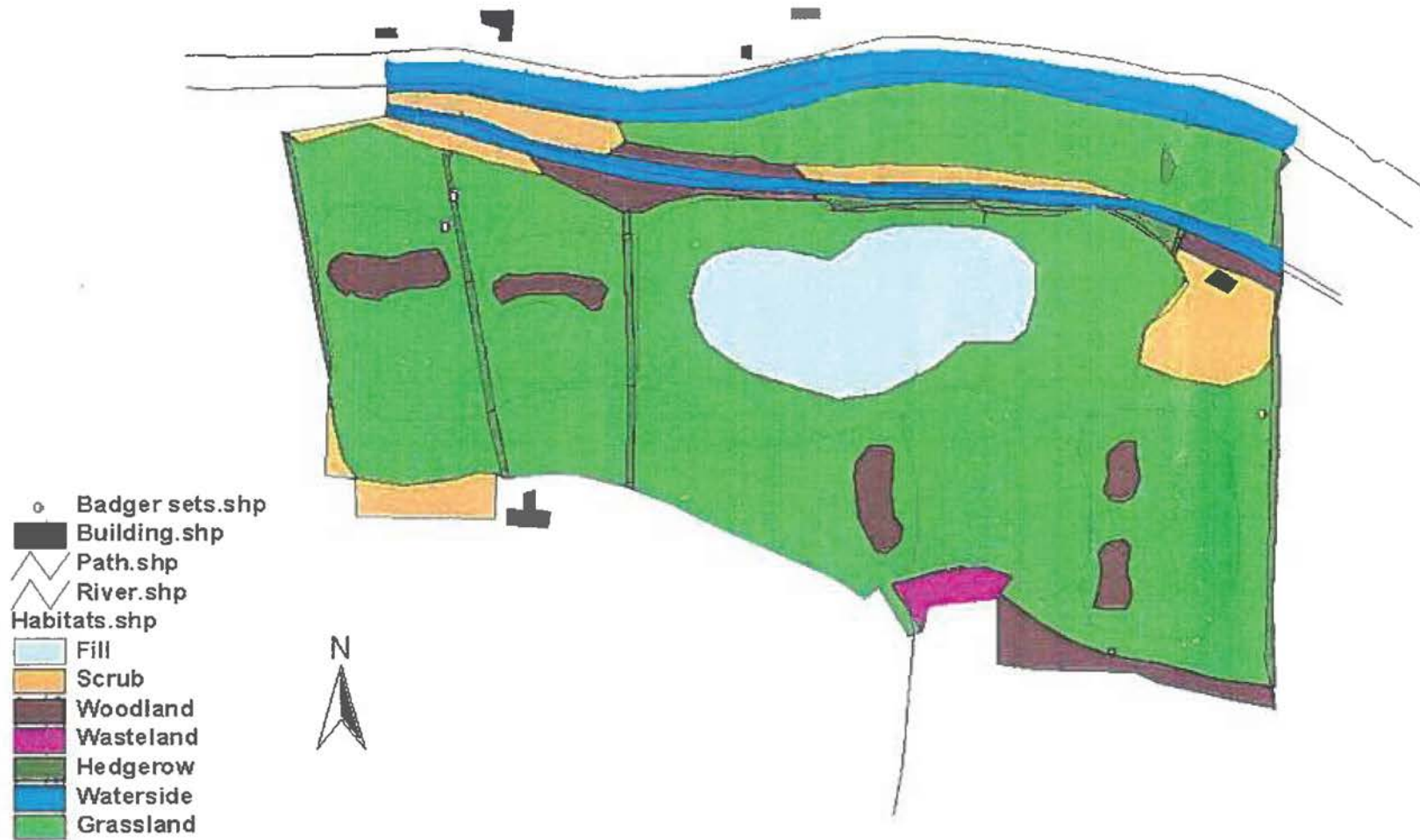
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**Appendix 8 - Habitat map of the Liffey Valley
Parklands**

b) Waterstown Park



Waterstown Park Habitat Map

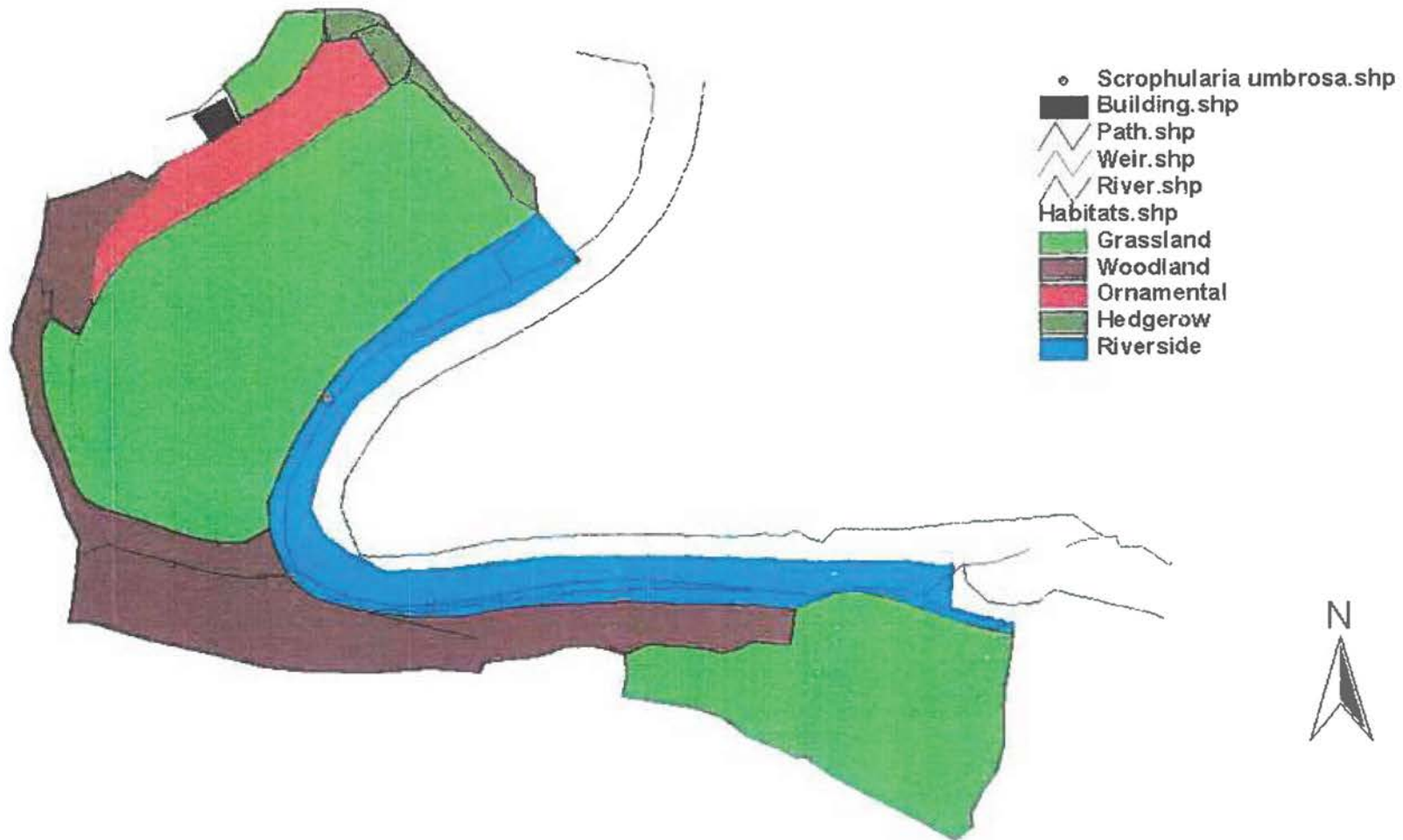


**Appendix 8 - Habitat Map of the Liffey Valley
Parklands**

c) Stewart's Hospital



Stewarts Hospital Park



Appendix 9 – Inventory of Griffeen Valley Park



Amphibia	Rana temporaria	Frog	Loscan	Native	TS				TS	
Angiosperm	Acer campestre	Field maple		Alien	TS	TS	TS		TS	
Angiosperm	Acer platanoides	Norway maple		Planted			TS	TS Orna	TS	
Angiosperm	Acer pseudoplatanus	Sycamore	Crann Ban	Alien	TS	TS	TS	TS	TS	FD 98
Angiosperm	Achillea millefolium	Yarrow	Athair talmhan	Native	TS	TS	TS		TS	
Angiosperm	Aesculus hippocastanum	Horse-Chestnut		Planted	TS	TS	TS		TS	
Angiosperm	Agrostis capillaris	Common bent		Native				TS	TS	
Angiosperm	Agrostis stolonifera	Creeping bent		Native		TS		TS	TS	
Angiosperm	Alnus glutinosa	Alder	Fearnog	Native	TS	TS	TS		TS	FD 98
Angiosperm	Alnus incana	Grey Alder		Planted			TS		TS	
Angiosperm	Alopecurus geniculatus	Marsh Foxtail		Native		TS			TS	
Angiosperm	Alopecurus pratensis	Meadow foxtail		Native	TS				TS	
Angiosperm	Anagallis arvensis	Scarlet pimpernel	Falcaire fiain	Native				TS	TS	
Angiosperm	Angelica sylvestris	Angelica		Native	TS	TS			TS	
Angiosperm	Anthriscus sylvestris	Cow parsley		Native	TS	TS	TS		TS	
Angiosperm	Apium nodiflorum	Foo's watercress		Native	TS				TS	
Angiosperm	Arctium minus	Burdock	Copog thuathail	Native		TS			TS	
Angiosperm	Arrhenatherum elatius	Fake Oat		Native	TS				TS	
Angiosperm	Arum maculatum	Lords and Ladies		Native		TS			TS	
Angiosperm	Avena fatua	Oat		Alien				TS	TS	
Angiosperm	Barbarea vulgaris	Winter-cress		Native				TS	TS	
Angiosperm	Bellis perennis	Daisy	Noithin	Native				TS	TS	
Angiosperm	Berberis vulgaris	Barberry		Planted				TS Orna	TS	
Angiosperm	Betula pendula	Silver birch	Beith	Native	TS	TS	TS	TS Orna	TS	
Angiosperm	Brachypodium pinnatum	Tor-grass		Native		TS			TS	
Angiosperm	Brachypodium sylvaticum	False Brome		Native		TS	TS		TS	
Angiosperm	Brassica rapa	Wild turnip		Probably introduced	TS				TS	
Angiosperm	Briza media	Quaking grass		Native		TS			TS	
Angiosperm	Bromopsis ramosa	Hairy brome		Native	TS	TS	TS		TS	
Angiosperm	Bulomus umbellatus	Flowering rush		Native						FD 98
Angiosperm	Buxus sempervirens	Box		Planted				TS Orna	TS	
Angiosperm	Calystegia sepium	Bindweed		Native	TS				TS	
Angiosperm	Capsella bursa-pastoris	Shepherds purse		Native	TS			TS	TS	
Angiosperm	Carex flacca	Glaucous sedge		Native		TS		TS	TS	
Angiosperm	Carex hirta	Hairy sedge		Native	TS	TS			TS	
Angiosperm	Carex sylvatica	Wood sedge		Native		TS			TS	
Angiosperm	Centaurea nigra	Knapweed	Mullach dubh	Native		TS			TS	
Angiosperm	Cerastium fontanum	Common mouse-ear		Native				TS	TS	
Angiosperm	Chamerion angustifolium	Rosebay willowherb		Probably introduced		TS			TS	
Angiosperm	Chenopodium album	Fat hen		Probably introduced				TS	TS	
Angiosperm	Cirsium arvense	Creeping Thistle	Feochadan	Native	TS	TS	TS	TS	TS	
Angiosperm	Cirsium vulgare	Spear thistle	Feochadan	Native	TS	TS		TS	TS	
Angiosperm	Conopodium majus	Pignut		Native		TS			TS	
Angiosperm	Comus sericea	Red osier		Alien	TS	TS	TS	TS Orna	TS	
Angiosperm	Corylus avellana	Hazel	Coll	Native		TS	TS		TS	
Angiosperm	Crataegus monogyna	Hawthorn	Scheach geall	Native	TS	TS	TS		TS	
Angiosperm	Crepis capillaris	Smooth Hawksbeard		Native		TS			TS	
Angiosperm	Crococsmia x crocosmiiflora	Montbretia		Alien		TS			TS	
Angiosperm	Cynosurus cristatus	Dog's tail		Native	TS				TS	
Angiosperm	Dactylis glomerata	Cock's foot grass		Native	TS	TS			TS	
Angiosperm	Elodea canadensis	Canadian Waterweed		Alien						FD 98
Angiosperm	Elytiglia repens	Couch grass		Native	TS	TS	TS		TS	
Angiosperm	Epilobium hirsutum	Great willowherb		Native	TS	TS	TS	TS	TS	



Angiosperm	Epilobium montanum	Broad-leaved willowherb		Native					TS	TS	
Angiosperm	Equisetum sylvaticum	Wood horsetail	Gliogan	Native	TS	TS				TS	
Angiosperm	Escallonia macrantha	Escallonia		Planted			TS			TS	
Angiosperm	Eupatorium cannabinum	Hemp agrimony		Native		TS				TS	
Angiosperm	Euphorbia helioscopia	Sun spurge		Probably introduced					TS	TS	
Angiosperm	Euphorbia peplus	Petty spurge		Probably introduced				TS		TS	
Angiosperm	Fagus sylvatica	Beech	Fea	Alien		TS	TS		TS	Stand	TS
Angiosperm	Fallopia convolvulus	Black bindweed		Probably introduced					TS	TS	
Angiosperm	Fallopia japonica	Japanese knotweed		Alien	TS					TS	
Angiosperm	Festuca rubra	Red fescue		Native		TS		TS	TS	TS	
Angiosperm	Filipendula ulmaria	Meadowsweet	Airgead luachra	Native	TS	TS	TS			TS	
Angiosperm	Fraxinus excelsior	Ash	Fuinneog	Native	TS	TS	TS			TS	FD 98
Angiosperm	Fumaria muralis	Common fumitory		Probably introduced					TS	TS	
Angiosperm	Galium aparine	Goosegrass	Garbhuis	Native	TS	TS	TS		TS	TS	
Angiosperm	Galium verum	Lady's Bedstraw		Native		TS				TS	
Angiosperm	Garrya elliptica			Planted						TS	Stand
Angiosperm	Geranium dissectum	Cut-leaved cranesbill		Native					TS	TS	
Angiosperm	Geranium molle	Dove's foot cranes bill		Native					TS	TS	
Angiosperm	Geranium robertianum	Herb robert	Earball ri	Native	TS	TS	TS			TS	
Angiosperm	Geum urbanum	Wood avens	Machall coille	Native		TS				TS	
Angiosperm	Glyceria maxima	Reed Sweet grass		Native							FD 98
Angiosperm	Gunnera tinctoria	Giant-rhubarb		Alien	TS					TS	
Angiosperm	Hedera helix	Ivy	Eidhnean	Native	TS	TS	TS			TS	
Angiosperm	Heracleum mezzaganeum	Giant Hogweed		Alien	TS					TS	
Angiosperm	Heracleum sphondylium	Hogweed	Feabhran	Native	TS	TS	TS	TS	TS	TS	
Angiosperm	Hieracium sp. agg.	Hawkweed		Native	TS	TS				TS	
Angiosperm	Holcus lanatus	Yorkshire Fog		Native	TS	TS	TS	TS	TS	TS	
Angiosperm	Hordeum murinum	Wall barley		Alien					TS	TS	
Angiosperm	Hypericum hirsutum	Hairy St. Johns Wort	Luibh eoin bhaiste	Native		TS				TS	
Angiosperm	Hypericum perforatum	Perforate St. John's Wort	Luibh eoin bhaiste	Native		TS				TS	
Angiosperm	Hypochoeris radicata	Cat's ear		Native				TS		TS	
Angiosperm	Ilex aquifolium	Holly	Cuilleann	Native		TS				TS	
Angiosperm	Impatiens glandulifera	Himalayan balsam		Alien							FD 98
Angiosperm	Juncus articulatus	Jointed rush	Luachair	Native		TS				TS	
Angiosperm	Juncus inflexus	Hard rush	Luachair	Native		TS				TS	
Angiosperm	Knautia arvensis	Scabious		Native		TS	TS			TS	
Angiosperm	Laburnum alpinum	Laburnum		Planted				TS	TS	Oma	TS
Angiosperm	Lamium album	White Dead-Nettle		Native (also planted)					TS	Oma	TS
Angiosperm	Lamium album	White Dead-Nettle		Alien	TS					TS	
Angiosperm	Lapsana communis	Nipplewort	Duilleog maith	Native	TS	TS			TS	TS	
Angiosperm	Lathyrus pratensis	Meadow vetch	Pis buidhe	Native	TS	TS				TS	
Angiosperm	Leontodon autumnalis	Autumn Hawkbit		Native	TS				TS	TS	
Angiosperm	Ligustrum vulgare	Privet		Native (also planted)			TS		TS	Oma	TS
Angiosperm	Linum catharticum	Flax		Native		TS				TS	
Angiosperm	Lolium perenne	Perennial rye-grass		Native	TS				TS	TS	
Angiosperm	Lonicera periclymenum	Honeysuckle	Feithleog	Native	TS	TS				TS	
Angiosperm	Malva sylvestris	Mallow	Hocas	Probably introduced	TS					TS	
Angiosperm	Mentha aquatica	Water Mint	Miamin	Native	TS					TS	
Angiosperm	Myriophyllum spicatum	Spiked Water-milfoil		Native							FD 98
Angiosperm	Nuphar lutea	Yellow Water-lily		Native							FD 98
Angiosperm	Odontites verna	Red Bartsia		Native					TS	TS	
Angiosperm	Ononis repens	Rest-Yarrow	Sreang-bogha	Native		TS				TS	
Angiosperm	Papaver rhoeas	Common poppy	Caitheach dearg	Probably introduced					TS	TS	



Angiosperm	<i>Persicaria maculosa</i>	Redshank	Glúineach dearg	Native				TS	TS	
Angiosperm	<i>Petasites fragrans</i>	Winter heliotrope		Alien	TS	TS				TS
Angiosperm	<i>Petasites hybridus</i>	Butterbur	Gallán mor	Native	TS					TS
Angiosperm	<i>Phalaris arundinacea</i>	Reed canary-grass		Native	TS	TS				TS
Angiosperm	<i>Plantago lanceolata</i>	Ribwort	Slánlus	Native	TS	TS			TS	TS
Angiosperm	<i>Plantago major</i>	Plantain		Native					TS	TS
Angiosperm	<i>Poa annua</i>	Annual meadow-grass		Native					TS	TS
Angiosperm	<i>Polygonum aviculare</i>	Knotgrass		Native					TS	TS
Angiosperm	<i>Populus alba</i>	Silver poplar		Planted	TS				TS	TS
Angiosperm	<i>Populus nigra</i>	Black poplar		Planted			TS	TS		TS
Angiosperm	<i>Populus tremula</i>	Aspen		Introduced			TS			TS
Angiosperm	<i>Potamogeton bertholdii</i>	Small pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	<i>Potamogeton crispus</i>	Curled pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	<i>Potamogeton natans</i>	Broad-leaved pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	<i>Potamogeton pectinatus</i>	Fennel pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	<i>Potamogeton x salicifolium</i>	Willow-leaved pondweed	Duilleasc na abhann	Native						FD 98
Angiosperm	<i>Potentilla anserina</i>	Silverweed	Briosclán	Native			TS	TS	TS	TS
Angiosperm	<i>Potentilla reptans</i>	Creeping cinquefoil	Cuig-mhearach	Native				TS		TS
Angiosperm	<i>Primula veris</i>	Cowslip		Native					TS	TS
Angiosperm	<i>Prunella vulgaris</i>	Self Heal		Native					TS	TS
Angiosperm	<i>Prunus avium</i>	Wild Cherry	Crann sílin	Native				TS	TS Orna	TS
Angiosperm	<i>Prunus domestica</i>	Damson		Probably introduced			TS	TS		TS
Angiosperm	<i>Prunus laurocerasus</i>	Cherry laurel		Alien			TS	TS	TS Orna	TS
Angiosperm	<i>Prunus sp.</i>			Planted				TS		TS
Angiosperm	<i>Prunus spinosa</i>	Blackthorn	Draighean	Native	TS	TS		TS		TS
Angiosperm	<i>Pulicaria dysanterica</i>	Common fleabane		Native			TS			TS
Angiosperm	<i>Quercus petraea</i>	Sessile Oak	Dair	Native			TS			TS
Angiosperm	<i>Quercus robur</i>	Oak	Dair	Native				TS	TS Stand	TS
Angiosperm	<i>Ranunculus acris</i>	Meadow Buttercup	Fear bhan	Native	TS	TS		TS	TS	TS
Angiosperm	<i>Ranunculus bulbosus</i>	Bulbous buttercup	Fear bhan	Native					TS	TS
Angiosperm	<i>Ranunculus repens</i>	Creeping Buttercup	Fear bhan	Native	TS	TS		TS	TS	TS
Angiosperm	<i>Ranunculus trichophyllus</i>	Thread leaved Water Crowfoot		Native						FD 98
Angiosperm	<i>Raphanus raphanistrum</i>	Wild radish		Alien	TS				TS	TS
Angiosperm	<i>Rorippa nasturtium-aquaticum</i>	Watercress	Biolar	Native	TS				TS	TS
Angiosperm	<i>Rosa canina</i>	Dog-rose	Ros	Native			TS			TS
Angiosperm	<i>Rosa rugosa</i>	Japanese rose	Ros	Native (planted exde	TS	TS			TS Orna	TS
Angiosperm	<i>Rubus cf. Echangensis</i>			?					TS Orna	TS
Angiosperm	<i>Rubus fruticosus</i>	Blackberry	Dris	Native	TS	TS				TS
Angiosperm	<i>Rubus idaeus</i>	Raspberry	Su craobh	Native		TS				TS
Angiosperm	<i>Rubus sp.</i>			?	TS			TS		TS
Angiosperm	<i>Rumex obtusifolius</i>	Broad-leaved dock	Copog sraide	Native	TS	TS		TS	TS	TS
Angiosperm	<i>Rumex sanguineus</i>	Wood dock	Copog	Native	TS	TS			TS	TS
Angiosperm	<i>Sagittaria sagittifolia</i>	Arrowhead		Native						FD 98
Angiosperm	<i>Salix babylonica</i>	Weeping willow	Saileach	Planted	TS				TS Orna	TS
Angiosperm	<i>Salix capraea</i>	Goat willow	Saileach	Native	TS					TS
Angiosperm	<i>Salix cinerea</i>	Rusty Willow	Saileach	Native	TS	TS				TS
Angiosperm	<i>Salix fragilis</i>	Crack willow	Saileach	Alien	TS	TS		TS		TS
Angiosperm	<i>Salix viminalis</i>	Osier	Saileach	Alien	TS	TS		TS	TS Orna	TS
Angiosperm	<i>Sambucus nigra</i>	Elder	Trom	Native	TS	TS		TS	TS Stand	TS
Angiosperm	<i>Sanicula europaea</i>	Sanicle		Native		TS				TS
Angiosperm	<i>Sasa palmata</i>	Broad-leaved Bamboo		Alien		TS				TS
Angiosperm	<i>Schoenoplectus lacustris</i>	Common Club-rush	Bois-shíthbhín	Native						FD 98
Angiosperm	<i>Scrophularia umbrosa</i>	Green Figwort	Fothran	Native						FD 98



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Aves	Carduelis flammæa	Redpoll	Deargeadan	Winter migrant					BS 85
Aves	Carduelis spinus	Siskin	Siscin	Winter migrant					BS 85
Aves	Certhia familiaris	Treecreeper		Native				TS	BS 85 (nesting)
Aves	Cinclus cinclus	Dipper	Gabha Dubh	Native				TS	BS 85 (nesting)
Aves	Columba oenas	Stock Dove	Coim	Native					BS 85 (nesting)
Aves	Columba palumbus	Woodpigeon	Coim Coille	Native				Rr pc, TS	BS 85 (nesting)
Aves	Corvus corax	Raven	Fiach Dubh	Native					BS 85 (nesting)
Aves	Corvus corone cornix	Hooded Crow	Feannog	Native				TS	BS 85 (nesting)
Aves	Corvus frugilegus	Rook	Rucach	Native				Rr pc, TS	BS 85 (nesting)
Aves	Corvus monedula	Jackdaw	Cag	Native				TS	BS 85 (nesting)
Aves	Cygnus olor	Mute Swan	Eala Bhalbh	Native					BS 85 (nesting)
Aves	Delichon urbica	House Martin	Gabhlan binne	Summer migrant					BS 85 (nesting)
Aves	Emberiza citrinella	Yellowhammer	Buiog	Native					BS 85 (nesting)
Aves	Emberiza schoeniclus	Reed Bunting	Cealóg Ghíolai	Native					BS 85 (nesting)
Aves	Erithacus rubecula	Robin	Spideog	Native				Rr pc, TS	BS 85 (nesting)
Aves	Falco columbarius	Merlin	Meiriun	Native					BS 85
Aves	Falco peregrinus	Peregrine	Seabhac seilge	Native					BS 85
Aves	Falco tinnunculus	Kestrel	Pocaire Gaoithe	Native					BS 85 (nesting)
Aves	Fringilla coelebs	Chaffinch	Ri Rua	Native				TS	BS 85 (nesting)
Aves	Fringilla montifringilla	Brambling	Breacan	Winter migrant					BS 85
Aves	Fulica atra	Coot	Cearc Cheannann	Native					BS 85 (nesting)
Aves	Gallinago gallinago	Snipe	Naoscach	Native					BS 85
Aves	Gallinula chloropus	Moorhen	Cearc Uisce	Native					BS 85 (nesting)
Aves	Garrulus glandarius	Jay	Screachóg choille	Native					BS 85 (nesting)
Aves	Hematopus ostralegus	Oyster Catcher	Roilleach	Winter migrant					BS 85
Aves	Hirundo rustica	Swallow	Fainleog	Summer migrant				Rr pc, TS	BS 85 (nesting)
Aves	Larus argentatus	Herring Gull	Faoilean Scadan	Native					BS 85
Aves	Larus canus	Common Gull	Faoilean Ban	Native					BS 85
Aves	Larus fuscus	Lesser black-back Gull		Summer migrant					BS 85
Aves	Larus marinus	Great black-back Gull	Droinneach Mor	Native					BS 85
Aves	Larus ridibundus	Black-headed Gull	Faoilean Ceandhubh	Native				TS	BS 85
Aves	Locustella naevia	Grasshopper Warbler	Ceolaire	Summer migrant					BS 85
Aves	Motacilla alba yarrellii	Pied Wagtail	Glasóg Shraide	Native				Rr pc, TS	BS 85 (nesting)
Aves	Motacilla cinerea	Grey Wagtail	Glasóg Liath	Native				Rr pc, TS	BS 85 (nesting)
Aves	Muscicapa striata	Spotted Flycatcher		Summer migrant					BS 85 (nesting)
Aves	Numenius arquata	Curlew	Crotach	Winter migrant					BS 85
Aves	Oenanthe oenanthe	Wheatear	Clochran	Summer migrant					BS 85
Aves	Parus ater	Coal Tit	Meantan Dubh	Native				TS	BS 85 (nesting)
Aves	Parus major	Great Tit	Meantan Mor	Native				TS	BS 85 (nesting)
Aves	Passer domesticus	House Sparrow	Gealbhan binne	Native					BS 85 (nesting)
Aves	Passer montanus	Tree Sparrow	Gealbhan Crainn	Native					BS 85 (nesting)
Aves	Phalacrocorax carbo	Cormorant	Broigheall	Native					BS 85
Aves	Phasianus colchicus	Pheasant	Piasiun	Alien					BS 85
Aves	Phylloscopus collybita	Chiff-chaff		Summer migrant	Su				BS 85 (nesting)
Aves	Phylloscopus trochilus	Willow Warbler	Ceolaire Sallí	Summer migrant					BS 85 (nesting)
Aves	Pica pica	Maggie	Snag Breac	Native				TS	BS 85 (nesting)
Aves	Pluvialis apricaria	Golden Plover	Feadóg	Winter migrant					BS 85
Aves	Podiceps cristatus	Great Crested Grebe	Lunadan	Winter migrant					BS 85
Aves	Prunella modularis	Hedge Sparrow	Donnog	Native				TS	BS 85 (nesting)
Aves	Prus caeruleus	Blue Tit	Meantan Gorm	Native				TS	BS 85 (nesting)
Aves	Pyrrhula pyrrhula	Bullfinch	Corcran Coille	Native					BS 85 (nesting)
Aves	Rallus aquaticus	Water Rail		Native					BS 85
Aves	Regulus regulus	Goldcrest	Ciorbhut	Native					BS 85 (nesting)



Aves	Riparia riparia	Sand Martin	Gabhlan Gainimh	Summer migrant						BS 85
Aves	Saxicola torquata	Stonechat	Caislin Cloch	Native						BS 85
Aves	Scolopax rusticola	Woodcock	Greabhan	Native						BS 85
Aves	Streptopelia decaocto	Collared Dove	Colm	Native						BS 85
Aves	Sturnus vulgaris	Starling	Druid	Native				TS		BS 85 (nesting)
Aves	Sylvia atricapilla	Blackcap	Caipin Dubh	Summer migrant						BS 85
Aves	Sylvia communis	Whitethroat		Summer migrant						BS 85
Aves	Trachybaptus ruficollis	Dabchick	Spagaire Tonn	Native						BS 85 (nesting)
Aves	Troglodytes troglodytes	Wren	Dreoilin	Native				TS		BS 85 (nesting)
Aves	Turdus iliacus	Redwing	Deargan Sneachta	Winter migrant						BS 85
Aves	Turdus merula	Blackbird	Lon Dubh	Native				TS		BS 85 (nesting)
Aves	Turdus philomelos	Song Thrush	Smolach	Native						BS 85 (nesting)
Aves	Turdus pilaris	Fieldfare	Sacan	Winter migrant						BS 85
Aves	Turdus viscivorus	Mistle Thrush	Liatraisc	Native				TS		BS 85 (nesting)
Aves	Tyto alba	Barn Owl	Ulcabhan	Native						BS 85 (nesting)
Aves	Vanellus vanellus	Lapwing	Pilibin	Winter migrant						BS 85
Bryophyta	Brachythecium rivulare			Native		TS			TS	
Bryophyta	Bryum bicolor			Native			TS		TS	
Bryophyta	Gymnostomum aeruginosum			Native		TS			TS	
Fish	Abramis brama	Bream	Garbhanach	?						EH 88, BS 85
Fish	Anguilla anguilla	Eel	Eascann	?						EH 88, BS 85
Fish	Barbatula barbatula	Stone Loach	Caiteach	?						EH 88
Fish	Chelon labrosus	Grey Mullet	Millead	?						EH 88, DFAG
Fish	Esox lucius	Pike	Lius	Alien						BS 85
Fish	Gasterosteus aculeatus	3-spined stickleback	Snathaid mhara	?						EH 88
Fish	Gobio gobio gobio	Gudgeon	Bronnog	?						EH 88
Fish	Perca fluviatilis	Perch	Peirse	?						EH 88, BS 85
Fish	Phoxinus phoxinus	Minnnows	Piscin	Alien						EH 88
Fish	Platichthys flesus	Flounder	Leadhbog	?						EH 88
Fish	Rutilus rutilus	Roach	Roiste	?						EH 88
Fish	Salmo salar	Salmon	Bradán	Native						EH 88, DFAG, BS 85
Fish	Salmo trutta	Brown trout	Breac	Native						EH 88, DFAG, BS 85
Fungi	Agaricus campestris	Field Mushroom		Native					TS	
Fungi	Bulgaria inquinans	Black Bulgar		Native		TS			TS	
Fungi	Conocybe tenera			Native				TS	TS	
Fungi	Coprinus comatus	Shaggy Inkcap		Native				TS	TS	
Fungi	Panaeolus foenisecii	Hay cap		Native				TS	TS	
Fungi	Psilocybe semilanceata	Liberty cap		Native				TS	TS	
Fungi	Rhizisma acerinum	Tar spot		Native		TS			TS	
Gymnosperm	Chamaecyperis sp.			Planted				TS Stand	TS	
Gymnosperm	Larix decidua	European larch		Planted	TS	TS	TS		TS	
Gymnosperm	Pinus nigra	Austrian pine		Planted		TS		TS Orna	TS	
Gymnosperm	Pinus sylvestris	Scots pine	Giuis	Planted (?Native)		TS	TS		TS	
Gymnosperm	Taxus baccata	Yew	Iur	Planted (Native)				TS Stand	TS	
Lepidoptera	Vanessa atalanta	Red admiral		Native					TS	
Lichen	Cetraria chlorophylla			Native		TS			TS	
Lichen	Cladonia sp.			Native					TS	
Lichen	Hypogymnia physodes			Native		TS			TS	
Lichen	Lepraria incana			Native		TS			TS	
Lichen	Peltigera horizontalis			Native		TS			TS	
Lichen	Ramalina farinacea			Native		TS			TS	
Mammalia	Erinaceus europaeus	Hedgehog	Graineog	Native	TS				Rr pc, TS	BS 85
Mammalia	Lutra lutra	Otter	Madra mara	Native					Rr pc	BS 85



Mammalia	<i>Meles meles</i>	Badger	Broc	Native					BS 85
Mammalia	<i>Mustela lutreola</i>	Mink	Minc	Alien					BS 85
Mammalia	<i>Oryctolagus cuniculus</i>	Rabbit	Coinin	Alien				Rr pc	
Mammalia	<i>Rattus rattus</i>	Black Rat	Francaeh dubh	Alien				Rr pc	
Mammalia	<i>Rattus sp.</i>	Brown rat	Francaeh donn	Native	TS			Rr pc, TS	
Mammalia	<i>Sciurus carolinensis</i>	Grey squirrel	Madra chrainn	Alien	TS			Rr pc, TS	BS 85
Mammalia	<i>Sciurus vulgaris</i>	Red Squirrel	Iona rua	Native					BS 85
Mammalia	<i>Vulpes vulpes</i>	Fox	Sionnach	Native	TS			Rr pc, TS	BS 85
Pteridophyta	<i>Asplenium scolopendrium</i>	Hart's tongue fern	Ceamh muice fiadh	Native		TS	TS	TS	
Pteridophyta	<i>Dryopteris felix-mas</i>	Male fern		Native		TS		TS	
Pteridophyta	<i>Equisetum fluviatile</i>	Water horsetail	Gliogan	Native	TS			TS	
Pteridophyta	<i>Polystichium setiferum</i>	Soft shield-fern		Native		TS		TS	



Appendix 10 – Habitat map of Griffeen Valley Park



Griffeen Valley Linear Park Habitat Map

