

Baile Átha Cliath: Suirbhé ar an Oidhreacht Nadúrtha



Dublin City: Natural Heritage Surveys



An Action of the Dublin City Heritage Plan

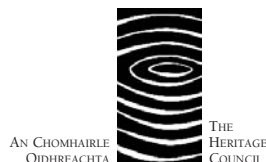
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NATURA
Environmental Consultants



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Acknowledgements

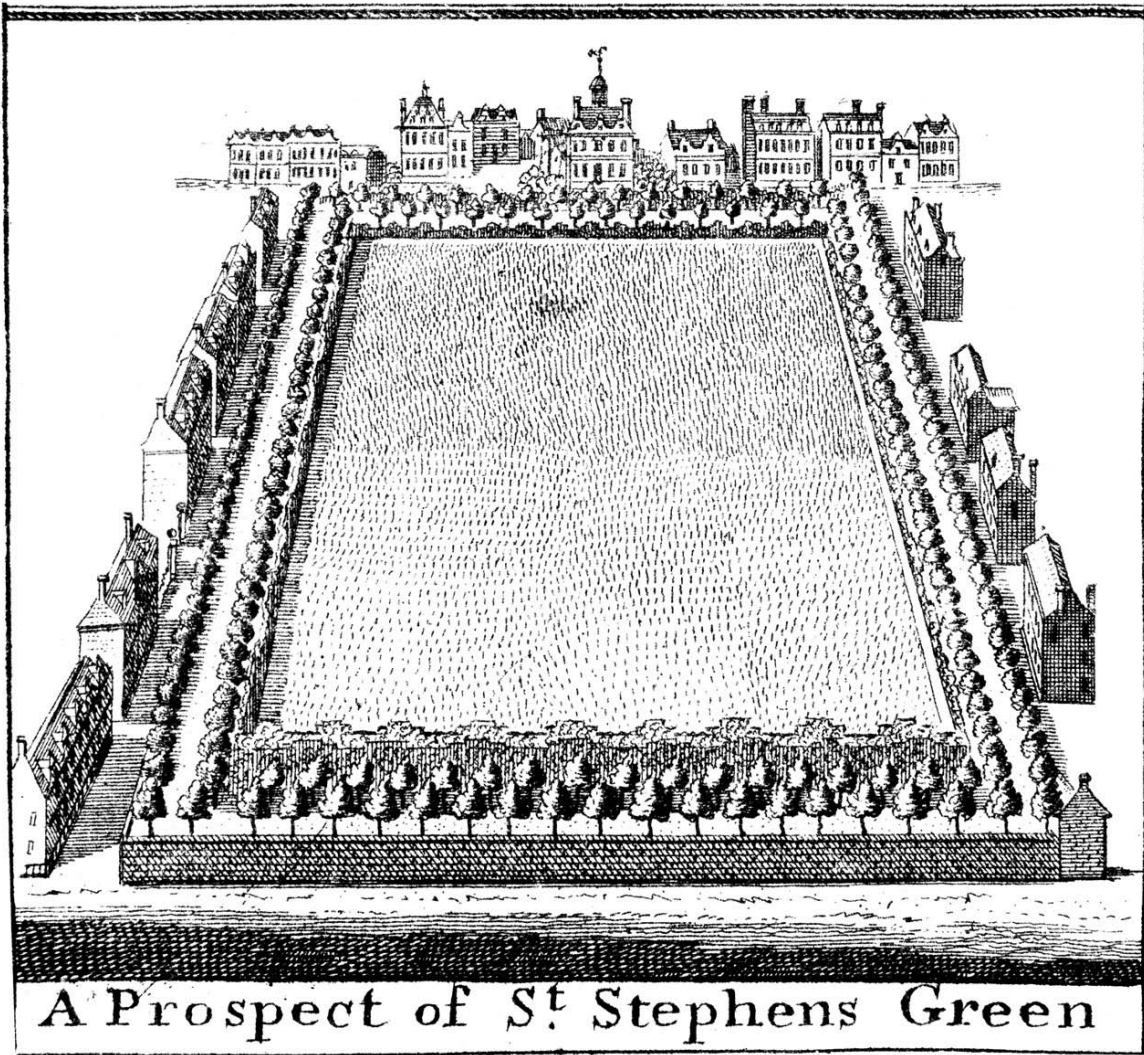
The study team would like to thank the following partners for their help sourcing information:
Donnacha Ó Dúlaing (DCC), Claire Caffrey (DCC), Gerry Barry (DCC), Dr Richard Collins, Brian Keeley, Prof David Jeffrey (Botany, TCD), Dr Evelyn Moorkens and Dr Declan Doogue.

Map of Dublin City Council area



Map of Dublin showing the Dublin City Council area which extends from the centre of the city to Clonskeagh and Terenure on its south side, to Drimmagh, Ballyfermot and the Phoenix Park to the west, to Finglas, Ballymun and Coolock to the north and Raheny, Clontarf, North Bull, Ringsend and Merrion to the east. (Reproduced from Ordnance Survey Ireland Permit No. 7602)

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A Prospect of S^t Stephens Green

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Foreword

Brollach

In 2002 the first Dublin City Heritage Plan was produced and launched. The City Heritage Plan is a realistic and achievable five-year action plan dealing with citywide issues rather than local projects. It is a concerted effort to recognise problem areas for our shared heritage and, through a partnership approach, implement measures over the next five years that will:

- improve our heritage information base
- enhance communication between all stake holders
- raise heritage awareness
- put in place best practice
- implement key projects

The City Heritage Plan is being co-ordinated by the Heritage Office of Dublin City Council, but is dependent on a partnership approach for its' implementation. To draw together the Plan, three working groups were put in place under the following headings:

- Archaeology
- Architecture
- Natural Environment

Each group produced a working paper, and these form the actions to be undertaken over the next five years as the Dublin City Heritage Plan.

The Members of the Natural Environment Heritage Working Group were:

Gerry Barry	Dublin City Council
Clare Caffrey	Dublin City Council
Pat Corrigan	Dublin City Council
Pat Coughlan	Dublin City Council
Declan Doogue	Botonist
Lorraine Dufficey	Irish Wildlife Trust
Prof. David Jeffrey	Trinity College Dublin
Damian Nolan	An Taisce
Linda Patton	Dúchas The Heritage Service
Faith Wilson	Birdwatch Ireland

The overall aim identified by the working group was – ‘To conserve, advance and protect the living natural environment of Dublin City. To achieve this, as part of the year one programme of the Heritage Plan, Dublin City Council, in association with the Heritage Council, commissioned this research study which aims to provide interested parties with a better knowledge of existing data on the natural environment in the Dublin City area, and where this relates to on the ground.

Following public competition NATUARA Environmental Consultants were appointed to carry out the study in four stages:

- Identify all natural environment surveys undertaken to date
- Plot survey information on a layered CAD map with GIS capabilities.
- Assess the feasibility of making survey information available from one digital source.
- Identify critical gaps in area, habitat and species surveys.

As part of the ongoing programme for the City Heritage Plan it is envisaged that the actions and recommendations within this report will be implemented on a phased and partnership basis. It is anticipated that further information will be added to the database of natural environment surveys annually. We would invite any organisation or individual to contact us if they have details of other surveys of natural heritage that have been undertaken in Dublin City, through www.dublin-city.ie

Sincere thanks are due to Richard Nairn and Clare Byrne of Natura, Gerry Barry and Clare Caffrey of Dublin City Council, Liam Lysaght of the Heritage Council, Katrina Bouchier of Environmental Publications, Gearóid Ó Riain of Compass Informatics and Lorcan Scott, Heritage Officer, Carlow Co. Council for use of his wildlife photographs.

Donncha Ó Dúlaing
Heritage Officer
Dublin City Council

2. Introduction

2. Réamhrá

Context Comhthéacs

NATURA (Environmental Consultants) Ltd. were commissioned by Dublin City Council and the Heritage Council to carry out a desktop research study to identify existing studies and data collection projects on the natural environment for Dublin City. The project aims to provide interested parties with a better knowledge of existing data on the natural environment in the Dublin City area and where the data relates to on the ground. The project gives a profile of the data rather than presenting the actual data. This centralising of information for Dublin should fit into the broader plan to centralise data nationally as part of the National Biodiversity Plan. The project forms part of the year one programme of the Dublin City Heritage Plan. Natural environment is defined for this purpose as flora, fauna, wildlife habitats, landscapes, seascapes, geology, heritage gardens and parks and inland waterways.

Objectives Aidhmeanna

The study has been undertaken with the following objectives:

- Identification and collation of all relevant data sources within the Dublin City Council (DCC) area;
- Creation of digital maps (GIS mapping) for each of the subject areas that is georeferenced;
- A feasibility study for dissemination of information to the public in an easily accessible digital format;
- Identification of gaps in the knowledge and a review of the future priorities for ecological surveys/studies of the Dublin City area.



2. Methodology

2. Modheolaíocht

Study area *Limistéar staidéir*

The extent of the study area is shown on page 3 and covers the Dublin City Council administrative area. To the south, the boundary extends as far as Merrion, enclosing Clonskeagh, Rathgar, Terenure and Kimmage. To the west the boundary encloses Crumlin, Driminagh, Ballyfermot, The Phoenix Park, Ashtown and Finglas. In the north the boundary extends as far as Raheny and encloses Donnaghmede, Darndale, Kilmore, Santry, Ballymun and Poppintree. Eastwards along the coast, the high tide mark is the boundary. However, the Bull Island Lagoons and parts of Dublin Bay were included in this study.

Study team *Foireann staidéir*

The study team comprised Dr Clare Byrne and Richard Nairn (NATURA) and Gearoid O’Riain (Compass Informatics), together with a number of project partners who advised on sources of information.

There was an initial briefing meeting of the entire study team on 2nd October 2002. The purpose of the meeting was to discuss with the clients and the project partners the methodology for identifying, collecting, collating and mapping data.

Data collection *Tiomsú Sonraí*

Information trawl *Bailiú Eolais*

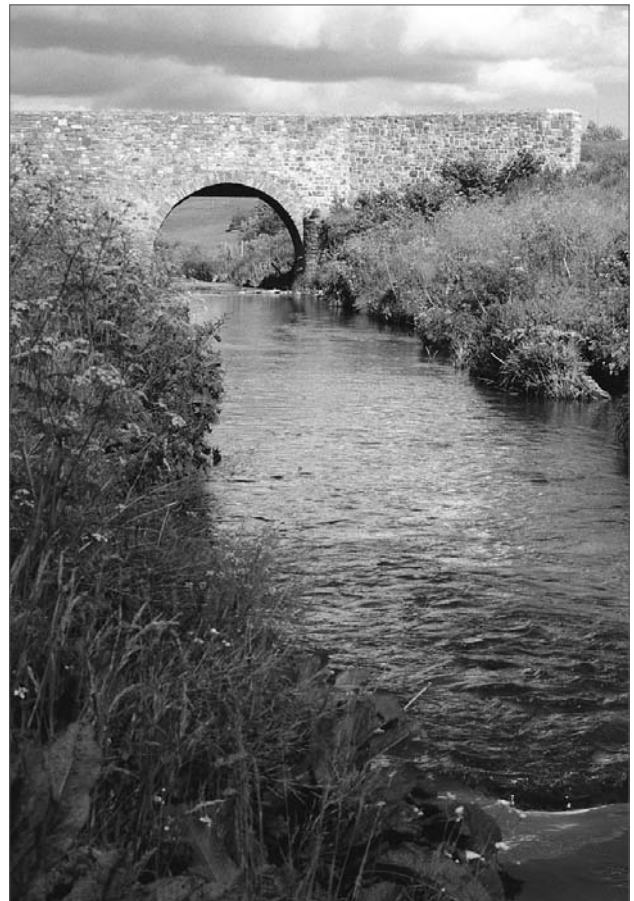
Existing datasets and mapped information for the Dublin area were reviewed. The following organisations were approached for their assistance:

- Local and national Government Organisations, including Dublin City Council, Dúchas, The Heritage Service, ENFO, FAS, The Heritage Council, Waterways Ireland, Central Fisheries Board, Eastern Regional Fisheries Board, Marine Institute, Bord Iascaigh Mhara, Department of Communication, Marine and Natural Resources, Environmental Protection Agency, Electricity Supply Board, Iarnród Éireann, Dublin Dockland Development Authority, Geological Survey of Ireland, The Natural History Museum and The Ulster Museum.
- Non Government Organisations, including Dublin Naturalists’ Field Club, An Taisce, BirdWatch

Ireland, Dublin Bat Group, Foxwatch Ireland, Coastwatch Ireland, Irish Wildlife Trust, Conservation Volunteers Ireland, Tree Council of Ireland, Crann, Badgerwatch Ireland, The Curlew Trust, Irish Deer Society, Irish Whale and Dolphin Group, Irish Peatland Conservation Council, Native Woodland Trust, Woodland of Ireland, Dublin Angling Initiative and Genetic Heritage Ireland.

- Universities, including Trinity College Dublin, University College Dublin, Dublin City University and The Institutes of Technology.
- Environmental Consultants, including Prof David Jeffrey, Dr Richard Collins, Dr Evelyn Moorkens, Dr Declan Doogue, Brian Keeley, Dr Brian Madden, Dr Mary Tubridy and Associates, Biological, Ecological and Conservation Consultants (BECC) and Duquesne.

Journals, including *Biology and Environment*, *Irish Naturalists’ Journal*, *Irish Biographical Society Bulletin*, *Irish East Coast Bird Report*, *Irish Birds* and other reports/studies relevant to the ecology of the study area were reviewed.



Data storage Stóráil sonraí

A Microsoft Access database was established for data input. Profiles of datasets, *not the actual data*, were entered into the database. The aim of the database was to input information on all studies on the natural environment that have been undertaken to date under a number of consistent headings. The thirty headings fell into four broad categories:

- Name of study and contact details e.g. title of study, name and address of person or organisation who conducted study.
- Geography and mapping e.g. location of study area, level of grid referencing, scale of maps etc.
- Data profile e.g. source of data, where data are held, copyright constraints, full reference, etc.
- Data description e.g broad and detailed description of study, other items studied, additional comments, etc.

A complementary questionnaire to the database was established in Microsoft Excel. It was sent by email and by post to the organisations listed above and to additional contacts. The MS Excel format was considered more ‘user-friendly’ than the database for initial data entry.

The questionnaires were distributed on 25th October and again on 14th and 26th November and 2nd and 12th December. Respondents were asked to return completed questionnaires within two weeks. The questionnaire was also placed onto the DCC web site. Certain individuals were also telephoned at intervals. Partners were requested to supply NATURA with completed questionnaires.

In total, 38 completed questionnaires were received. These were translated from Excel into Access format. Information from reference-only material, such as university theses and journal publications, were also added into the database.

Atlases such as the *New Atlas of Breeding Birds in Britain and Ireland* (Gibbons *et al.*, 1993) and the *New Atlas of the British and Irish Flora* (Preston *et al.*, 2002), keys such as *An Irish Flora* (Webb *et al.*, 1996) and field guides such as *Dragonflies of Ireland*: (www.ulster-museum.org.uk/dragonflyireland) were not entered on the database. A list of other published and unpublished sources, which may yield useful information, is included in the references (see Section 8).

Individual species records were not entered on the database e.g. records of single species published in the

Irish Naturalists’ Journal. There were two reasons for this. Firstly, the feasibility of sourcing all single species references was not a realistic proposition in the time available. Secondly, many species records may be sourced through other publications listed in the database e.g. *Flora of Co. Dublin* (Doogue *et al.*, 1998) *The flora of Inner Dublin* (Wyse Jackson and Sheehy Skeffington, 1984) and *North Bull island – a modern coastal natural History* (Jeffrey *et al.*, 1977).

GIS format Formáid GIS

Surveys and studies that could be georeferenced in some way, either through maps or central co-ordinates that were provided, or from textual descriptions of location, were mapped within the project GIS. Survey and study locations were typically recorded as polygons covering the area of interest e.g. Bull Island, Phoenix Park, Dodder Valley.

In order to allow the database records to be linked to these map records, a unique identifier (ID) was assigned to each feature, with this ID corresponding to the record for that study area in the database. The GIS could then be used to view both the spatial extent covered by a survey or study, and also the tabular information recorded about that survey or study.

The mapping was carried out using a 1:15,000 scale base map although the detail and accuracy of the mapping and descriptions, which were the basis of the boundary delineation within the GIS, varied greatly.

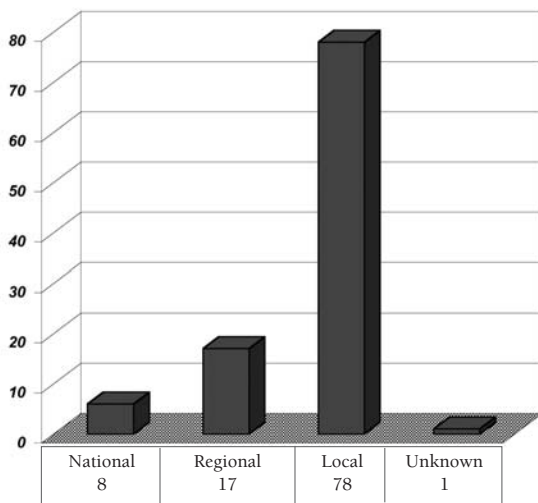
In total 63 sites were mapped with a number of studies covering the same or similar areas. Composite maps of all study areas are given at the back this report.

3. Summary of Database Contents

2. Achoimre de Chlár an Bhunachair Sonraí

The database currently contains a total of 192 entries. A summary of the database is presented below. When interpreting this summary, two things should be borne in mind. Firstly, the database is incomplete because for most studies not every category of the database could be completed. Secondly, there are likely to be additional studies that will be added at a future date. The findings below reflect a 'partial' or incomplete picture. No category had a full complement of data. Findings below are percentages of the total.

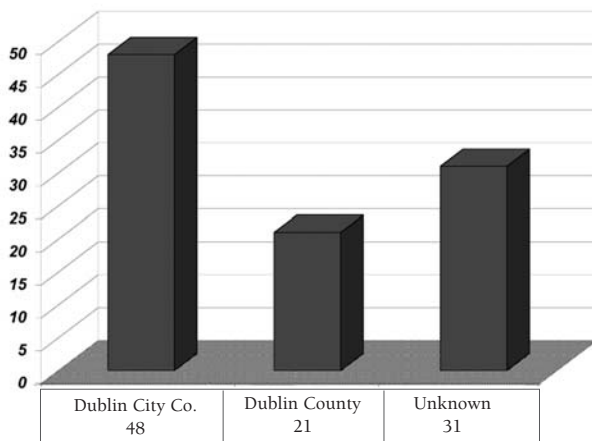
3.1: Scale of studies



Note: 2% of studies were described as both national and regional.

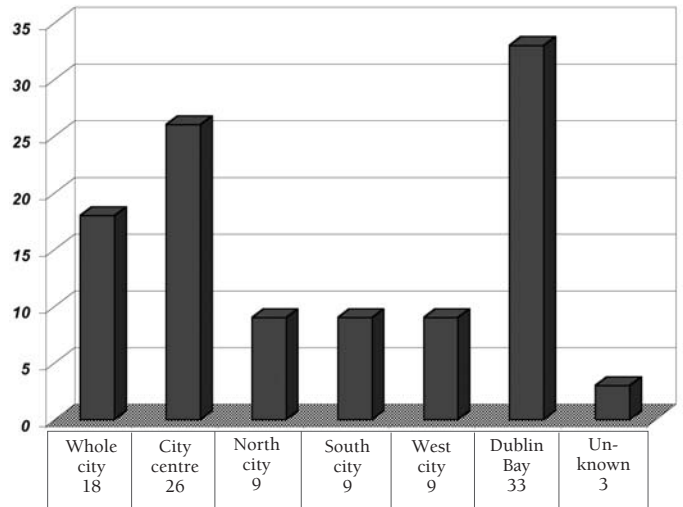
Most of the studies are local studies (78%).

3.2: Extent of studies



Most studies were within the Dublin City Council area only (48%).

3.3: Location of Studies

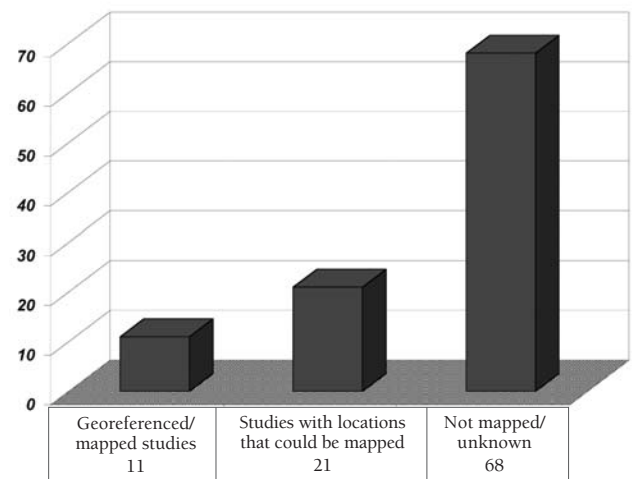


* City centre between the canals and the Phoenix Park

Note: There is a 7% overlap in location of study sites

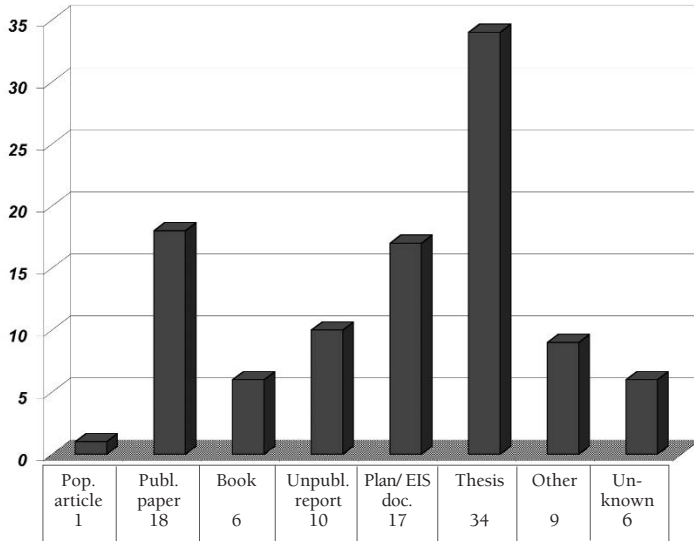
The greatest number of studies has been undertaken in Dublin Bay including Bull Island (33%). A large proportion of studies have also been conducted in the centre of the city (26%). A further 18% of studies were conducted over the entire Dublin City Council area. A limited number of studies took place in the north, west and south (9% each) of the city.

3.4: Georeferenced/mapped studies



A minority of studies were geo-referenced or had a map showing the exact location of the study (11%). In addition, a reasonably accurate site location was given for 21% of studies and from these it was possible to map the study area. However, the majority of studies were either not mapped or it was unknown if data were geo-referenced.

3.5: Source of data

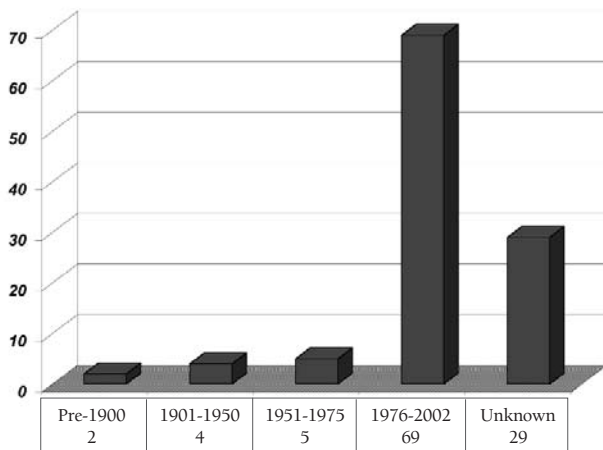


*UG = undergraduate

Note: There is a 1% overlap in the sources of study data

The main source of information was from theses, particularly undergraduate theses (34%). Published papers accounted for 18% of data sources. EIS and planning documents were also abundant (17%). Relatively little information was obtained from the remaining categories.

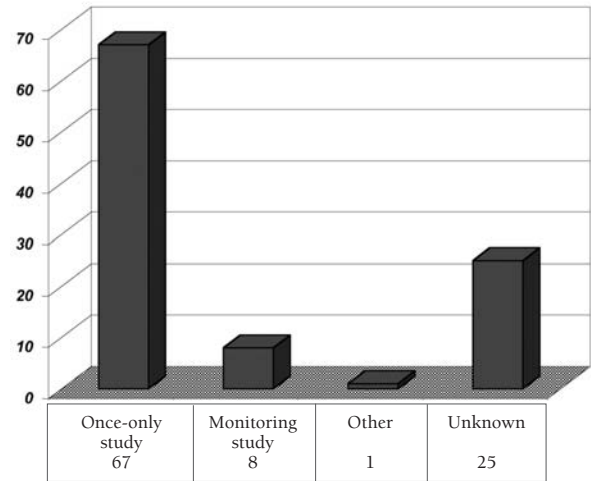
3.6: Date of collection



Note: There is a 9% overlap in time of data collections

Almost all information collected refers to the last 26 years (69%).

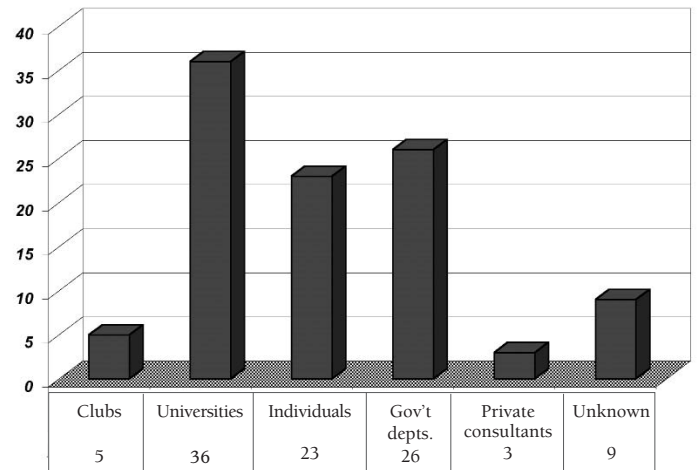
3.7: Type of data collection



Note: There is a 1% overlap in the types of data collections

Almost all information collected was for a once-off study (67%).

3.8: Where are data held?



Note: There is a 2% overlap in the places where data are held

Most of the data are held within universities (36%), although Government Departments (mainly the ENFO library, South William Street) also hold a significant amount of data (26%). Private individuals hold 23% of datasets. Clubs (such as Dublin Naturalists' Field Club and the Bat Conservation Group) and private consultants hold a small amount of data.

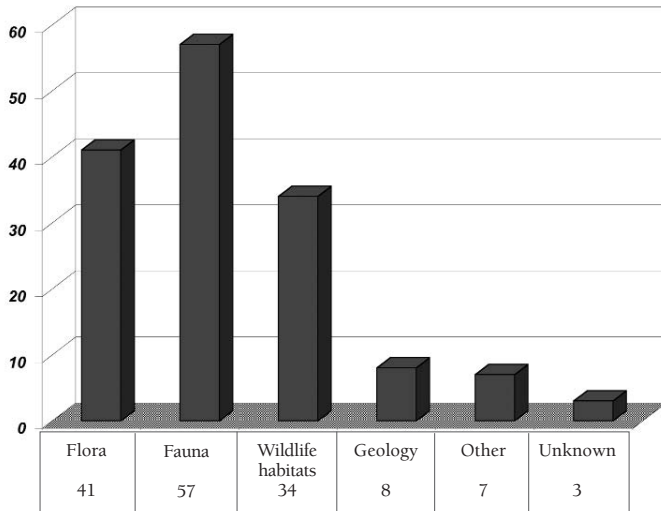
3.9: Format of data

Insufficient information was collected to state adequately the format that data are held in. Most studies are in paper format; however many recent studies may also be stored digitally (see Section 3.6 which indicates the large number of recent studies).

3.10 Copyright constraints

All published papers and books have a copyright constraint, whereas unpublished reports and popular articles do not. The copyright on academic theses and planning/EIS documents depends on the universities and companies in question.

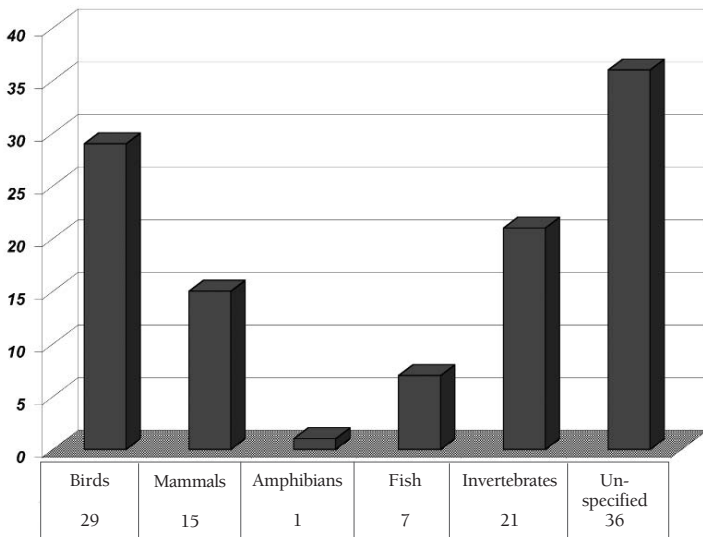
3.11: Description of studies



Note: There was a 50% overlap in the types of study conducted

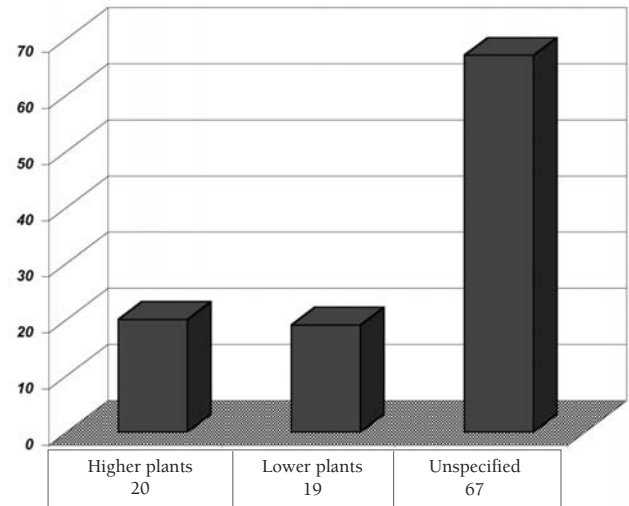
Most studies (57%) were conducted on fauna and the breakdown of these studies is shown in table 3.12. Flora studies accounted for 41% of data entries and the breakdown is given in table 3.13. A total of 34% of studies was conducted on wildlife habitats and the breakdown is given in table 3.14. Only 8% of studies were geological in nature. The 7% 'other' studies included palaeoecological, geomorphological, archaeological, limnological, environmental, ecosystem, natural history and landscape history studies.

3.12: Breakdown of topics: Fauna



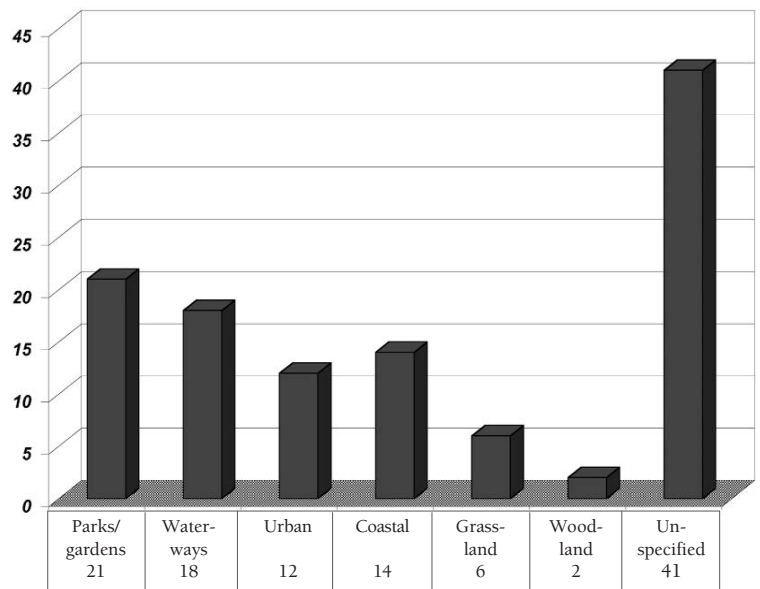
Note: There was a 9% overlap

3.13: Breakdown of topics: Flora



Note: There was a 6% overlap

3.14: Breakdown of topics: Wildlife habitats



Note: There was a 14% overlap

3.15 Other items studied

'Additional information' to that specified above was collected for 29% of studies, such as air pollution, animal behaviour, water quality and general landscape data.

4. Review of critical gaps

4. *Athbhreithniú ar bhearnaí criticiúla*

Gaps in the database

Bearnaí sa bhunachar sonraí

Based on the information gathered the following gaps in information are evident from the entries in the database:

- Relatively few studies have been conducted in the north of the city (other than Bull Island) or in the south and west. This may be due to the relative scarcity of natural habitats in these areas or it is possible that more studies in these areas have been carried out but the details have not yet been found.
- Few of the studies in the database are georeferenced or mapped.
- Based on the information gathered, the database contains relatively few unpublished reports, books and popular articles on Dublin City. The bulk of information comes from theses (mainly undergraduate), published papers and EIS/Planning reports. It is likely that there are more unpublished reports and alternative sources of information that have not yet been found as this type of data is more difficult to access. Some possible sources are given in the reference list attached to this report (see Section 8).
- Very few monitoring or on-going studies are being conducted in Dublin. It is likely that studies are mainly once-off due to resources and time constraints.
- Few of the studies, for which there is information submitted in the database, are in digital format. From the information it is impossible to say what is the 'real' situation with regard to data storage. Future data storage is likely to be in digital format.
- The overall situation with regard to the type of faunal, floral and habitat groups studied was difficult to assess because many EIS and planning documents are very general and do not detail this information. A category 'unspecified' was used to highlight where some information on each of the three categories has been collected.
- There are few available studies on amphibians, fish, terrestrial and freshwater invertebrates. It is likely that more effort has gone into studies on faunal groups that are easy to study and for which there is more public support (e.g. birds).
- The majority of studies on flora are unspecified. However, it is likely that most studies have been conducted on flowering plants and that few lower plant surveys of groups such as ferns, horsetails, clubmosses, mosses, lichens, liverworts, algae, fungi and stoneworts have been conducted. This may be due to difficulties in taxonomy or identification of the lower plant groups.
- The database indicates that most habitat types are poorly studied. The least studied habitats include wetlands (none), woodlands (2%) and grasslands (6%). Urban habitats (12%) and coastal habitats (14%) are marginally better studied. The best-studied habitats (based on the current database) are Dublin's parks and gardens (21%) and its waterways (18%). The reason for such a paucity of information on habitats may be due to an incomplete dataset. However, it is also likely that the City of Dublin has not been considered a priority for habitat studies particularly grasslands, woodlands and wetlands and as a result few studies, have been initiated. The interest in urban habitats as a wildlife resource is a relatively recent phenomenon in Ireland.





Other possible missing sources of information

Foinsí eolais eile a d'fhéadfadh a bheith ar iarraidh

The following sources of information might yield useful material:

- Reference lists from books, published papers, theses, unpublished reports and Planning/EIS documents that are already listed in the database.
 - The Dublin Naturalists' Field Club newsletters and unpublished diaries of DNFC members. These may only be accessed with permission of the DNFC (Honorary Secretary Gerard Sharkey).
 - Reports from the Praeger Fund grantees (details of which have been supplied by the Royal Irish Academy for the period 1970-2001).
 - The datasets listed by the Heritage Council (Mc Gowan *et al.*, 2002).
 - Dúchas, the Heritage Service have habitat maps for some sites they own in Dublin such as the Phoenix Park and St. Stephen's Green and designated areas such as Bull Island (which is in the ownership of Dublin City Council) etc. These may be accessed as part of draft management plans for these sites.
 - The Environmental Protection Agency website: www.epa.ie
- With regard to 'parks and gardens' the Phoenix Park has been the focus of several studies. A number of other City parks, within the DCC boundary, have also been studied including St Anne's Park Raheny, Springdale Road Open Space Raheny, St. Kevin's Park (Kevin St.), Le Fanu Park Ballyfermot and Bushy Park Terenure (Tubridy and Associates, 2003). However, based on the findings of this database, Dublin's open spaces are poorly studied and future work could focus on other city parks (such as Fairview Park, Hamstead Park, Herbert Park, etc.), the gardens and grounds of institutions and industrial developments, graveyards and golfcourses. It may be that the wildlife value of Dublin City's parks, gardens and grounds has not been appreciated heretofore.
 - Except for the River Liffey and the canals, Dublin's waterways and other linear features are generally poorly studied (based on the current database). Future work in Dublin City could focus on such features.
 - Very few studies on Dublin's geology are included in the database. It may be that other areas of the country are more geologically interesting than Dublin and as a result few studies have been carried out. More studies may yet be found on geology in the Dublin City Council area.

5. Feasibility of Digital Data Dissemination

5. Féidearthach scaipeadh sonraí go digiteach

One of the objectives of this study was to “Assess the feasibility of making survey information available from one digital source”. The most appropriate digital source is the use of the Internet, which is readily available to a wide range of users including government and local authority offices, libraries, academic researchers, students, teachers and the general public. Several questions arise in this context:

- Which users or user groups will require access to the database information?
- What level of information should be made available?
- Should users be allowed to interrogate the actual data in the database?

There are various models, which could be considered for a web-based data source. One approach, which has been adopted by the London Biodiversity Partnership involves a comprehensive, dedicated website which allows the user to interrogate the information on a variety of subjects including habitats, species, city divisions etc. However, this is based on an extensive and up-to-date audit of biodiversity in the city of London, which does not yet exist for Dublin city.

Another approach would be to establish a webpage for the Dublin Nature Database as a link with the existing website of Dublin City Council. This might contain, initially at least, the following:

- An introduction to the database and its objectives;
- A map showing the study areas covered;
- An interactive section for respondents to notify the website of information which they wish to add to the database or queries which they wish to make.

Using available web technologies, it is possible to make the data held in the current Microsoft Access database readily available to the public or to a closed group of users with assigned permissions. It is also possible to develop browser-based systems that will allow users to add, edit or delete records based on permissions. Interactive mapping systems or Web GIS are also available and have been implemented for a large number of environmental projects, an example being the EPA interactive water quality maps at www.epa.ie/rivermap/. The complexity of the solution can vary as can the cost of implementation. However the focus should always remain on usability and user-friendliness.



6. Recommendations

6. Moltáí

Future use of database and GIS Úsáid an bhunachair sonraí agus GIS amach anseo

- Missing sources of information (outlined in Section 4.2) should be researched and added to the database. Also, information from the Dublin City Park's Project (Mary Tubridy and Associates) should be reviewed and any pertinent information added to the database.
- The database should be maintained and updated regularly. This will require ongoing data profile collection, collation, review and transferral of information into database and GIS format.
- Mapping should be updated regularly and should take place simultaneously to updates in the database.
- A simple internet-based link to the Dublin City Council website should be established to provide users with a summary of the information on the database. This should include an interactive section and a key map.



Future surveys/studie Suirbhéithe/staidéir amach anseo

Dublin City Council should consider supporting or funding future studies of the natural environment under the following conditions:

- It is suggested that the priorities for future surveys and research on the natural environment in Dublin City should be the subject of a round table discussion hosted by Dublin City Council. This discussion should include the relevant statutory bodies (Dúchas and the Heritage Council), voluntary bodies (Dublin Naturalists' Field Club, BirdWatch Ireland, Dublin Bat Group, Irish Wildlife Trust etc.) and representatives of third level colleges in Dublin. Such a meeting should provide an opportunity to involve all relevant stakeholders in future use of, and contributions to, the Dublin Nature Database. It would also provide a broad spectrum of support for future survey priorities.
- Monitoring studies should be encouraged, which will gather baseline data and allow for the assessment of species/habitat change over time. Such information would be useful when drawing up management plans for nature conservation to maintain or enhance diversity.
- Future studies should store data digitally (in MS Word, Excel, Access etc.) to facilitate the transfer and re-use of data.
- All future study areas should be georeferenced or mapped.
- Preference should be given to less well-studied items and areas outlined in Section 4.1

7. List of contacts

7. Liosta teagmhálacha

DUBLIN CITY COUNCIL

Civic Offices,
Wood Quay,
Dublin 8.
www.dublincity.ie
Tel: 01 672 2222

Parks and Landscapes Services:

Block 1, Ground Floor,
Civic Offices,
Wood Quay,
Dublin 8.
Tel: 01 672 3305

Heritage Officer:

Donncha Ó Dúlaing
Block 3, Floor 4,
Wood Quay, Dublin 8.
Tel: 01 672 3184
email: donncha.odulaing@dublincity.ie

Bull Island Information Centre

Pat Corrigan
Tel: 01 8338341

Government Organisations

Eagraíochtaí Rialtais

Bord Iascaigh Mhara

Crofton Road, Dun Laoghaire, Co. Dublin.
Tel: (01) 2144100 Fax: (01) 2841123
Email: info@bim.ie
www.bim.ie

Central Fisheries Board

Balnagowan, Mobhi Road, Glasnevin, Dublin 9.
Tel: 8842600 Fax: (01) 8360060
Email: info@cfb.ie

Department of Communication, Marine and Natural Resources

Leeson Lane, Dublin 2.
Tel: (01) 6782000 Fax (01) 6618214
Email: contact@marine.gov.ie
www.marine.gov.ie

Department of the Environment & Local Government

Custom House, Dublin 1.
Tel: (01) 8882000 Fax (01) 8882888
Email: press.office@environ.irlgov.ie
www.environ.ie

Dúchas, The Heritage Service

National Parks and Wildlife Service
6 Ely Place Upper Dublin 2.
www.heritagedata.ie
Tel: 01 647 3000

Eastern Regional Fisheries Board

15A Main Street, Blackrock, Co. Dublin.
Tel: (01) 2787022 Fax: (01) 2787025
Email: info@erfb.ie
www.fishingireland.net

ENFO: The Environmental Information Service

17 St. Andrew's Street, Dublin 2.
Tel: 1890 200191
Email: info@enfo.ie
www.enfo.ie

Environmental Protection Agency

PO Box 3000, Johnstown Castle Estate, Wexford.
Tel: (053) 60600 Fax: (053) 60699
Email: info@epa.ie
www.epa.ie

Geological Society of Ireland

Beggars Bush, Haddington Road, Dublin 4.
Tel: (01) 6782000 Fax (01) 6681782

The Heritage Council:

Liam Lysaght, Wildlife Officer, The Heritage Council,
Kilkenny.
Email: liam@heritagecouncil.com
www.heritagecouncil.com

Marine Institute

Galway Technology Park, Ballybrit, Galway.
Tel: 091 730400 Fax: (091) 730470
Email: galway.reception@marine.ie

Natural History Museum

Merrion Square Dublin 2
Tel: (01) 6777444 Fax (01) 6777828
Email: education.nmi@indigo.ie

Waterways Ireland

Floor 2 Block C, Ashtown Gate, Navan Road,
Dublin 15
Tel: (01) 8680148
www.waterwaysireland.org

Non-Government Organisations
Eagraíochtaí Neamh-Rialtais

An Taisce

The National Trust, Tailor's Hall, Back Lane, Dublin 8.
Tel: (01) 454 1786 Fax: (01) 453 3255
Email: info@antaisce.org
website: www.antaisce.org

Badgerwatch Ireland

5 Tyrone Avenue, Lismore Lawns, Co. Waterford.
Tel: (051) 373876
Email: barrettb@gofree.indigo.ie

Bat Conservation Group

Deerpark House, Maio, Tierworker, Co. Meath
Tel: (046) 42886
Email: batline@eircom.net
www.geocities.com/dublinbat/

Birdwatch Ireland

8 Longford Place, Monkstown, Co. Dublin.
Tel: (01) 280 4322 Fax: (01) 284 4407
Email: bird@indigo.ie
website: www.birdwatchireland.ie

Coastwatch Europe Network

Department of Civil Structural and Environmental
Engineering,
Trinity College, Dublin 2.
Tel: (01) 6773428 - (055) 25843 Fax: (055) 25842
Email: dubsky@iol.ie
website: www.coastwatcheurope.org

Conservation Volunteers Ireland

Stewards House, Rathfarnham Castle, Rathfarnham,
Dublin 14.
Tel: 01 4952878 Fax: 01 4952879
Email: info@cvi.ie
website: www.cvi.ie

Crann

Crank House, Main Street, Banagher, Co. Offaly.
Tel: (0509) 51718 Fax: (0509) 51938
Email: info@crann.ie
website: www.crann.ie

Dublin Angling Initiative

Tel: (01) 2787022
Email: des.chew@erfb.ie

Dublin Naturalists Field Club

35 Nutley Park, Donnybrook, Dublin 4.
Tel: (01) 2697469.

Foxwatch Ireland

Behy, Knockvicar, Boyle, Co. Roscommon
Email: peterakokan@yahoo.co.uk
website: http://homepage.eircom.net/~foxwatchireland/

Irish Deer Society

Email: irishdeersociety@hotmail.com

Irish Peatland Conservation Council

Capel Chambers, 119 Capel Street, Dublin 1.
Tel: (01) 8722397 Fax: (01) 8722397.
Email: ipcc@indigo.ie
website: www.ipcc.ie

Irish Whale & Dolphin Group

For strandings Department of Zoology, University
College Cork,
Lee Maltings, Prospect Row, Cork.
Tel: (021) 904 053 Fax: (021) 270 562
For sightings: Dr. Simon Berrow

**Irish Whale and Dolphin Group, Cetacean Sighting
Scheme**

c/o Slattery Island Visitors Centre, Merchants Quay,
Kilrus, Co. Clare
Tel: (056) 905 2139 - 086 854 5450
Email: iwdg@eircom.net
website: http://iwdg.ucc.ie

Irish Wildlife Trust

Garden Level, 21 Northumberland Road, Dublin 4
Tel: (01) 6604530
Fax: (01) 6604571
Email: enquires@iwt.ie
website: www.sustainable.ie

Native Woodland Trust

Email: info@nativewoodtrust.ie

The Curlew Trust

Email: rh@nspartners.ie

Tree Council of Ireland

Cabinteely House, Cabinteely, Co. Dublin
Tel: (01) 284 9211 Fax: (01) 284 9197
Email: trees@treecouncil.ie
website: www.treecouncil.ie

8. References

8. Tagairtí

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9. Natural Heritage Surveys

9. *Suirbhé ar an Oidhreacht Náúrtha*

The following list is a brief description only; further detail is available in the accompanying database file.

Inventory Number	1 —
Title/subject	Flora of Alexandra Road District, Dublin.
Organisation/person	SCP Reynolds.
Location of study	Dublin Port, Alexandra Road district.
Broad description study	Flora.
Detailed description study	Higher plant survey.
Inventory Number	2 —
Title/subject	The mute swan in Dublin.
Organisation/person	Irish Wildbird Conservancy (now BirdWatch Ireland).
Location of study	Dublin City and County.
Broad description study	Fauna.
Detailed description study	Breeding distribution of mute swans.
Inventory Number	3 —
Title/subject	The distribution of the otter <i>Lutra lutra</i> in relation to water quality and other factors in three hydrometric areas in the east of Ireland.
Organisation/person	Wildlife Ecology Group, Department of Zoology, Trinity College Dublin.
Location of study	Rivers Liffey, Avoca and Dargle Catchments.
Broad description study	Fauna.
Detailed description study	Otter survey (presence/absence data).
Inventory Number	4 —
Title/subject	North Bull Island Dublin Bay – a modern coastal natural history.
Organisation/person	The Royal Dublin Society.
Location of study	North Bull Island.
Broad description study	Flora, fauna, and habitats.
Detailed description study	Natural history of flora, fauna and wildlife habitats.

Inventory Number	5
	—
Title/subject	Flora of County Dublin.
Organisation/person	The Dublin Naturalists' Field Club.
Location of study	Dublin City and County.
Broad description study	Flora.
Detailed description study	Flowering plants, ferns, horsetails, clubmosses, group of green algae, and stoneworts.
Inventory Number	6
	—
Title/subject	Semi-natural grassland communities in eastern Ireland: classification, conservation and management.
Organisation/person	Clare Byrne, Trinity College Dublin.
Location of study	Phoenix Park, Dublin.
Broad description study	Habitat.
Detailed description study	Grassland management experiments.
Inventory Number	7
	—
Title/subject	The flowering plants and ferns of The Phoenix Park, Dublin.
Organisation/person	Patrick A Reilly.
Location of study	Phoenix Park.
Broad description study	Flora.
Detailed description study	The wild flora of the Park categorised within 5 botanical districts.
Inventory Number	8
	—
Title/subject	A study of the fungi present on a temperate saltmarsh at North Bull Island, Co. Dublin.
Organisation/person	E Landy.
Location of study	North Bull Island.
Broad description study	Flora.
Detailed description study	
Inventory Number	9
	—
Title/subject	The ecological effects of <i>Spartina anglica</i> , and its management, on the mudflats and saltmarsh at North Bull Island..
Organisation/person	MJ McCorry.
Location of study	North Bull Island.
Broad description study	Flora.
Detailed description study	The ecological effects of <i>Spartina anglica</i> , and its management, on the mudflats and saltmarsh at North Bull Island.

Inventory Number	10 —
Title/subject	A study of the ecology of the Irish mountain hare (<i>Lepus timidus hibernicus</i>) with some considerations for its management and that of the rabbit on North Bull Island.
Organisation/person	A Wolfe.
Location of study	North Bull Island.
Broad description study	Fauna and habitats.
Detailed description study	Hares and rabbits; sand dune system.
Inventory Number	11 —
Title/subject	The stratigraphy and sedimentology of early Dinantian (Lower Carboniferous) rocks in the North Dublin Basin.
Organisation/person	Marguerite J Fleming.
Location of study	North Dublin Basin.
Broad description study	Geology.
Detailed description study	
Inventory Number	12 —
Title/subject	Dolomitisation, fluid-flow and mineralization of the Lower Carboniferous rocks of the Irish Midlands and Dublin Basin regions.
Organisation/person	Wayne Wright.
Location of study	Dublin basin and Irish midland regions.
Broad description study	Geology.
Detailed description study	
Inventory Number	13 —
Title/subject	Molecular variation in <i>Fallopia japonica</i> populations on the River Dodder, Dublin and at Trinity College Dublin.
Organisation/person	Michael Bannon.
Location of study	River Dodder and Trinity College Dublin.
Broad description study	Flora.
Detailed description study	
Inventory Number	14 —
Title/subject	A pollen calender for Dublin, 2000.
Organisation/person	Sarah Cahalane.
Location of study	Dublin.
Broad description study	Flora.
Detailed description study	

Inventory Number	15
Title/subject	Elemental pollutants on and in leaves in Central Dublin.
Organisation/person	Sarah Kellett.
Location of study	Dublin.
Broad description study	Flora.
Detailed description study	
Inventory Number	16
Title/subject	Cytogenetics of <i>Phragmites australis</i> in Dublin's waterways.
Organisation/person	Gwyneth MacMaster.
Location of study	Dublin's waterways.
Broad description study	Flora.
Detailed description study	
Inventory Number	17
Title/subject	Autecology, distribution and genetics of <i>Phragmites australis</i> within inner Dublin's waterways.
Organisation/person	Andrew Somerville.
Location of study	Dublin's waterways.
Broad description study	Flora.
Detailed description study	
Inventory Number	18
Title/subject	A palaeoecological Study of a Viking/Hiberno-Norse Site in Werburgh Street, Dublin.
Organisation/person	Stuart Kinsella.
Location of study	Werburgh Street, Dublin.
Broad description study	Palaeoecological study.
Detailed description study	
Inventory Number	19
Title/subject	A study of chitin degradation in the South Lagoon of Bull Island, Co. Dublin.
Organisation/person	Brian Kern O'Neill.
Location of study	South Lagoon of Bull Island.
Broad description study	Physiological study.
Detailed description study	

Inventory Number 20

Title/subject An Ecological Study of the Green Macroalgae (Chlorophyceae) on the intertidal mudflats of North Bull Island.

Organisation/person Tom Walsh.

Location of study North Bull Island.

Broad description study Alga study.

Detailed description study

Inventory Number 21

Title/subject The sand dune succession on North Bull Island, Dublin Bay, with emphasis on nitrogen nutrition.

Organisation/person Peter Fay.

Location of study North Bull Island.

Broad description study Habitat.

Detailed description study

Inventory Number 22

Title/subject Distribution of some cellulolytic micro-organisms in salt-marsh sediments on Bull Island with some salinity tolerance experiments.

Organisation/person Cathy Hayes.

Location of study North Bull Island.

Broad description study Cellulolytic micro-organism study.

Detailed description study

Inventory Number 23

Title/subject The role of green algae in the phosphorus cycle of the intertidal mudflats at Bull Island.

Organisation/person Grace O'Donovan.

Location of study Bull Island.

Broad description study Alga study.

Detailed description study

Inventory Number 24

Title/subject Some aspects of seed germination and its relationship to the parent plant communities on sand dunes at North Bull Island.

Organisation/person Susie Fry.

Location of study North Bull Island.

Broad description study Habitat.

Detailed description study

Inventory Number	25
Title/subject	A Supplement to Colgan's Flora of the County Dublin.
Organisation/person	
Location of study	
Broad description study	Flora.
Detailed description study	
Inventory Number	26
Title/subject	Flora of St. James's Gate.
Organisation/person	JP Bruncker.
Location of study	St. James's Gate.
Broad description study	Flora.
Detailed description study	
Inventory Number	27
Title/subject	Irish Naturalist.
Organisation/person	Colgan N.
Location of study	Dublin.
Broad description study	Flora.
Detailed description study	
Inventory Number	28
Title/subject	Flora of the County Dublin.
Organisation/person	Hodges, Figgis and Co., Dublin.
Location of study	
Broad description study	Flora.
Detailed description study	
Inventory Number	29
Title/subject	The Birds of Dublin and Wicklow.
Organisation/person	Hutchinson CD.
Location of study	Dublin /Wicklow.
Broad description study	Fauna.
Detailed description study	

Inventory Number 30

Title/subject The Book of the Liffey from source to the Sea.
Organisation/person Healy E, Moriarty C and O’Flaherty G.
Location of study Dublin.
Broad description study Other.
Detailed description study

Inventory Number 31

Title/subject Studies of Irish Rivers and Lakes.
Organisation/person Kelly-Quinn, M.
Location of study Dublin / Wicklow.
Broad description study Other.
Detailed description study

Inventory Number 32

Title/subject Studies of Irish Rivers and Lakes.
Organisation/person Moriarty C.
Location of study
Broad description study Other.
Detailed description study

Inventory Number 33

Title/subject Metal-Smelting slags.
Organisation/person Breen, Rebekah.
Location of study Thomas Street, Dublin.
Broad description study Geology.
Detailed description study

Inventory Number 34

Title/subject The Evolution of North Bull Island, Dublin Bay.
Organisation/person Harris, C R.
Location of study Dublin.
Broad description study Geology.
Detailed description study

Inventory Number	35
Title/subject	Flandrian Sediments and microfaunas in Dublin Bay.
Organisation/person	Harris, C R.
Location of study	
Broad description study	Geology.
Detailed description study	
Inventory Number	36
Title/subject	Analysis of Dublin drinking water using Inductively Coupled Plasma Atomic Emission.
Organisation/person	Lager, T.
Location of study	Dublin.
Broad description study	Geology.
Detailed description study	
Inventory Number	37
Title/subject	The Building Stones of Dublin – A Walking Guide.
Organisation/person	Wyse, Jackson.
Location of study	
Broad description study	Geology.
Detailed description study	
Inventory Number	38
Title/subject	Statistical Survey of Geological and Geomorphological Excursions undertaken by the Dublin Naturalists Fieldclub, 1886-1986.
Organisation/person	Wyse Jackson.
Location of study	Dublin.
Broad description study	Geology.
Detailed description study	
Inventory Number	39
Title/subject	Flandrian sediments and microfaunas in Dublin Bay.
Organisation/person	Harris, C R.
Location of study	
Broad description study	Geology.
Detailed description study	

Inventory Number 40

 Title/subject The Building Stones of Central Dublin – A Walking Guide.
 Organisation/person Wyse Jackson.
 Location of study Dublin.
 Broad description study Geology.
 Detailed description study

Inventory Number 41

 Title/subject “Sculpture in Dublin: a geological perspective” – Geology Today.
 Organisation/person Wyse Jackson.
 Location of study Dublin.
 Broad description study Geology.
 Detailed description study

Inventory Number 42

 Title/subject “Geology”.
 Organisation/person D Nash, D. Parnell, J.A.N., Reynolds, S. and Wyse Jackson.
 Location of study Dublin.
 Broad description study Flora.
 Detailed description study

Inventory Number 43

 Title/subject Soils in Flora of County Dublin.
 Organisation/person Dublin Naturalists’ Field Club.
 Location of study
 Broad description study Flora.
 Detailed description study

Inventory Number 44

 Title/subject ‘Dublin’: paving controversies.
 Organisation/person
 Location of study
 Broad description study Geology.
 Detailed description study

Inventory Number	45
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Title/subject	The Building Stones of Central Dublin.
Organisation/person	
Location of study	
Broad description study	
Detailed description study	
Inventory Number	46
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Title/subject	Sculpture in Dublin: a Geological Perspective.
Organisation/person	
Location of study	
Broad description study	Geology.
Detailed description study	
Inventory Number	50
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Title/subject	Dublin Environmental Inventory.
Organisation/person	duQuesne Limited.
Location of study	Dublin City within the canals.
Broad description study	Flora.
Detailed description study	Survey of street trees (3,887 records, 14 fields, 88spp and vars. Lichens, list of species and records.
Inventory Number	51
<hr/>	
Title/subject	Inventory of trees and shrubs cultivated in Ireland.
Organisation/person	Mary Forrest on behalf of An Taisce.
Location of study	
Broad description study	Flora, parks or gardens.
Detailed description study	Inventory of exotic plants in plant collections in Ireland 17,500 plants recorded.
Inventory Number	52
<hr/>	
Title/subject	Dublin Light Rail Environmental Impact Statement.
Organisation/person	Railway Procurement Agency, previously Light Rail Project Office CIE.
Location of study	Tallaght to City Centre, City Centre to Sandyford.
Broad description study	Flora, Fauna, Habitats, Parks and gardens, canals.
Detailed description study	Site surveys.

Inventory Number	54
Title/subject	Population of dynamics of the Magpie in Dublin.
Organisation/person	Brendan Kavanagh.
Location of study	City Centre, study area covered about 8% of Dublin city extending from St. Anne's Park to Donnybrook.
Broad description study	Fauna, habitat, parks and gardens.
Detailed description study	Status and distribution of the Magpie in Dublin.
Inventory Number	55
Title/subject	Comparisons of the Avifauna of four areas in Dublin.
Organisation/person	J.D.O. Keating.
Location of study	Bushy Park, Herbert Park, Clonskea, River Dodder.
Broad description study	Fauna, habitats, parks and gardens.
Detailed description study	Census of winter and breeding season avian communities of two parks, a residential area and an urban wilderness carried out in 1992.
Inventory Number	56
Title/subject	Terenure Wildlife; a baseline study of the Terenure area.
Organisation/person	Eanna Ni Lamhna and Richard Collins.
Location of study	Terenure district including Bushy Park and Terenure College.
Broad description study	Flora, fauna, habitats, parks and gardens.
Detailed description study	Survey of local habitats, the flora and macro-fauna of Terenure area.
Inventory Number	57
Title/subject	IWDG Cetacean Strandings Database.
Organisation/person	The Irish Whale and Dolphin Group.
Location of study	Dublin coastline and islands.
Broad description study	Large marine vertebrates.
Detailed description study	Cetaceans, basking shark and marine turtles.
Inventory Number	58
Title/subject	IWDG Cetacean Sightings Database.
Organisation/person	The Irish Whale and Dolphin Group.
Location of study	Dublin Coastline and Islands.
Broad description study	Large Marine Vertebrates.
Detailed description study	Cetaceans, basking shark and marine turtles.

Inventory Number	59 —
Title/subject	North Bull Island Salt-Marsh.
Organisation/person	Brenda Healy.
Location of study	North Bull Island.
Broad description study	Fauna and habitat.
Detailed description study	Invertebrates and fish.
Inventory Number	60 —
Title/subject	Marine Chemistry – Contaminants in Dublin Bay.
Organisation/person	Evin McGovern.
Location of study	Dublin Bay.
Broad description study	
Detailed description study	Chemical contaminants (metals and organic compounds) in sediment.
Inventory Number	61 —
Title/subject	Marine Chemistry – Winter nutrients in Western Irish Sea.
Organisation/person	Evin McGovern.
Location of study	Western Irish Sea (Dublin Bay).
Broad description study	
Detailed description study	Winter Nutrients surveys (TOxN, Ortho-P, Silicate, salinity) in the west.
Inventory Number	62 —
Title/subject	Mammals and birds of UCD.
Organisation/person	The Curlew Trust.
Location of study	Greater Campus grounds of UCD.
Broad description study	Flora and parks or gardens.
Detailed description study	Research of impact of development on original environment and fauna.
Inventory Number	63 —
Title/subject	Survey of River Dodder.
Organisation/person	Zoology Dept, TCD.
Location of study	River Dodder.
Broad description study	Fauna and habitats.
Detailed description study	

Inventory Number	64
Title/subject	Greenspace.
Organisation/person	Craig Bullock/Environmental Institute.
Location of study	All Dublin.
Broad description study	Parks or gardens.
Detailed description study	
Inventory Number	65
Title/subject	Irish Wetland Bird Survey (I-WeBS).
Organisation/person	Birdwatch Ireland.
Location of study	
Broad description study	Fauna and habitats.
Detailed description study	Wintering wetland birds (chiefly waders and willow) habitat types covered: lakes, turloughs, callows, rivers, canals, estuaries and islands.
Inventory Number	66
Title/subject	Distribution and abundance of bumble bees in Dublin City.
Organisation/person	Dr. MJF Brown, Dept. of Zoology, TCD.
Location of study	Parks, gardens, canals.
Broad description study	Fauna.
Detailed description study	Species covered: bumble bees, bombus spp.
Inventory Number	67
Title/subject	Museum of Natural History, National Museum of Ireland.
Organisation/person	Museum of Natural History, National Museum of Ireland.
Location of study	
Broad description study	
Detailed description study	Museum collection.
Inventory Number	68
Title/subject	EIS – North Road, Finglas bypass.
Organisation/person	Dublin City Council.
Location of study	North Road, Finglas Bypass, Dublin 11.
Broad description study	Flora, fauna and habitats.
Detailed description study	

Inventory Number	69

Title/subject	EIS – Dublin Port Tunnel, Volume 1.
Organisation/person	Geoconsult Arup JV on behalf of Dublin City Council.
Location of study	Tolka Estuary – Dublin Bay.
Broad description study	
Detailed description study	
Inventory Number	70

Title/subject	EIS – The Dublin Bay Project – Ringsend Treatment Works 1&2.
Organisation/person	ESB International on behalf of Dublin City Council.
Location of study	Ringsend Treatment Works.
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	71

Title/subject	EIS – The Dublin Bay Project, Dublin Bay Submarina Pipeline, Vol 1.
Organisation/person	Dublin City Council – MC O’Sullivan.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	72

Title/subject	EIS – Proposed Housing Development At All Hallows, Church Avenue, Drumcondra, Dublin 9.
Organisation/person	Frank L. Benson and Partners in assoc. withn Roger Goodwillie & Assoc.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	73

Title/subject	EIS for Proposed Development at “Belleville” – Blackhorse Ave.
Organisation/person	Frank Elmes & CO for Ardmore Building Co. Ltd.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	

Inventory Number	74
Title/subject	EIS – Minchem Chemicals LTD Transfer Station Dublin Port.
Organisation/person	Callaghan Engineering.
Location of study	
Broad description study	Flora, fauna .
Detailed description study	
Inventory Number	75
Title/subject	EIS -Residential Development Mt St Annes Convent, Milltown Rd, D.6.
Organisation/person	Fergal McCabe, Architect.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	76
Title/subject	EIS – Park West Developmet.
Organisation/person	Reid Associates.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	77
Title/subject	EIS – Proposed Business Park At Woodlands Clonshaugh D.17
Organisation/person	Colin Quinn, Tree Services.
Location of study	Woodlands, Clonshaugh, D.17.
Broad description study	Flora, fauna.
Detailed description study	
Inventory Number	78
Title/subject	EIS – Cork Street / The Coombe Relief Route.
Organisation/person	Dublin City Council.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	

Inventory Number	79
Title/subject	EIS – St. Vincent’s Hospital Redevelopment, Dublin 4.
Organisation/person	Ove Arup & Partners.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	80
Title/subject	EIS – North King Street Traffic Management Scheme.
Organisation/person	Dublin City Council.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	81
Title/subject	EIS – Luas Seán Heuston Bridge to Abbey Street Line A Area 6.
Organisation/person	Light Rail Project Office.
Location of study	
Broad description study	Flora.
Detailed description study	
Inventory Number	82
Title/subject	EIS – Luas Davitt Road to Grand Canal View Line A Area 4.
Organisation/person	Light Rail Project Office.
Location of study	
Broad description study	Flora.
Detailed description study	
Inventory Number	83
Title/subject	EIS-Luas Grand Canal View-Seán Heuston Bridge Line A Area 5.
Organisation/person	Light Rail Project Office.
Location of study	
Broad description study	Flora, fauna.
Detailed description study	

Inventory Number 84

Title/subject EIS-Luas St. Stephen's Green to Grand Canal Line B Area 7.
Organisation/person Light Rail Project Office.
Location of study
Broad description study Flora.
Detailed description study

Inventory Number 85

Title/subject EIS-Luas Grand Canal to Milltown Viaduct Line B Area 8.
Organisation/person Light Rail Project Office.
Location of study
Broad description study Flora.
Detailed description study

Inventory Number 86

Title/subject EIS-Luas Milltown Viaduct to Balally Line B Area 9.
Organisation/person Light Rail Project Office.
Location of study
Broad description study Flora, fauna and habitats.
Detailed description study

Inventory Number 87

Title/subject EIS – All Hallows Church Avenue Drumcondra Dublin 9.
Organisation/person Roger Goodwillie & Associates for Frank L. Benson and Partners.
Location of study
Broad description study Flora, fauna and habitats.
Detailed description study

Inventory Number 88

Title/subject EIS-Leisure Complex At Coolock Lane/Oscar Traynor Rd, Coolock, Dublin 5.
Organisation/person Roger Goodwillie & Partners for Frank L. Benson and Partners.
Location of study
Broad description study Flora, fauna and habitats.
Detailed description study

Inventory Number 89

Title/subject EIS – Waste Facility Dublin Waste Limited.
Organisation/person EMA International Ltd.
Location of study Sheriff St. Lwr., East Wall Rd., Lwr. Mayor Street.
Broad description study
Detailed description study

Inventory Number 90

Title/subject EIS – Waste Recycling and Transfer Station Upper Sheriff Street Dublin 1.
Organisation/person Dean Waste Co. Ltd.
Location of study
Broad description study Flora.
Detailed description study

Inventory Number 91

Title/subject EIS – Spencer Dock and adjoining lands, Dublin 1 & 3.
Organisation/person Roger Goodwillie & Partners for Frank L. Benson and Partners.
Location of study
Broad description study Flora, fauna and habitats.
Detailed description study

Inventory Number 92

Title/subject EIS – Guild Street, Macken Street Bridge.
Organisation/person Dublin City Council.
Location of study
Broad description study Flora, fauna and habitats.
Detailed description study

Inventory Number 93

Title/subject EIS Spire of Dublin – O’Connell Street, Dublin 1.
Organisation/person Dublin City Council.
Location of study O’Connell Street.
Broad description study Flora, fauna.
Detailed description study

Inventory Number	94
Title/subject	EIS – New Central Building Collins Barracks, Dublin 7.
Organisation/person	ESB – International on behalf of the Office of Public Works.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	95
Title/subject	EIS – Breaching of causeway and provision of Bridge at North Bull Island.
Organisation/person	ESB – International / Dublin City Council.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	96
Title/subject	EIS – Mixed development at Balgriffin Park, Dublin 17.
Organisation/person	Fergal McCabe for The Shannon Group.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	97
Title/subject	EIS – Proposed Development, at Hatch Street Upper, Dublin 2.
Organisation/person	Frank L. Benson and Partners.
Location of study	
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	98
Title/subject	EIS – Waste Transfer Station, Tolka Quay Road, Dublin 1.
Organisation/person	Ove Arup for MinChem.
Location of study	Tolka Quay Road, Dublin 1
Broad description study	Flora, fauna and habitats.
Detailed description study	

Inventory Number	99
Title/subject	EIS-Development at Pelletstown, Ashtown, Finglas, Dublin 11.
Organisation/person	McHugh Consultants.
Location of study	Pelletstown, Ashtown, Finglas, Dublin 11.
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	100
Title/subject	The Birds of Dublin and Wicklow.
Organisation/person	CD Hutchinson (editor).
Location of study	Dublin City and County.
Broad description study	Fauna.
Detailed description study	Birds of the various habitats in Dublin and Wicklow.
Inventory Number	101
Title/subject	The Birds of Bushy Park.
Organisation/person	Maurice Bryan.
Location of study	Bushy Park.
Broad description study	Fauna and habitats of Bushy Park.
Detailed description study	Migrant, resident, occasional, rare and vagrant visitors to the Park.
Inventory Number	102
Title/subject	A comparison of the conservation value of two urban sites.
Organisation/person	O Grant.
Location of study	
Broad description study	Habitat.
Detailed description study	Urban habitats.
Inventory Number	103
Title/subject	Mollusca of Bushy Park, Dublin.
Organisation/person	AW Stelfox and R Welch.
Location of study	Bushy Park.
Broad description study	Fauna.
Detailed description study	Mollusca.

Inventory Number	104
Title/subject	Handbook to the Dublin District.
Organisation/person	British Association.
Location of study	Dublin.
Broad description study	Fauna.
Detailed description study	Mollusca.
Inventory Number	105
Title/subject	Natural and semi-natural habitats in the City.
Organisation/person	David W Jeffrey.
Location of study	Dublin.
Broad description study	Habitat.
Detailed description study	Urban habitats and comments on their management.
Inventory Number	106
Title/subject	The flora of inner Dublin.
Organisation/person	P Wyse Jackson and M Sheehy Skeffington.
Location of study	Inner City Dublin.
Broad description study	Flora.
Detailed description study	
Inventory Number	107
Title/subject	Dublin Bay.
Organisation/person	James G Wilson.
Location of study	Dublin Bay to Kish Bank.
Broad description study	Fauna.
Detailed description study	Marine invertebrates and fish. Shore habitat covered up to 30m contour.
Inventory Number	108
Title/subject	Ecological survey of the Grand Canal 1991, Part 1 (Survey Report), Part 2 (Conservation and Management Plan).
Organisation/person	Office of Public Works.
Location of study	Grand Canal.
Broad description study	Canals.
Detailed description study	Assessment of biological resources, investigation of plant community distributions.

Inventory Number	109
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Title/subject	The Ecology and Management of the Grand and Royal Canals, 1990.
Organisation/person	Dr KJ Murphy and Dr JW Eaton.
Location of study	Grand and Royal Canals.
Broad description study	Canals.
Detailed description study	Aquatic vegetation management.
Inventory Number	110
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Title/subject	Ecological Survey of the Royal Canal, Final Report 1990, Part 1 (Survey Report) and 2 (Conservation Management Plan).
Organisation/person	Office of Public Works.
Location of study	Royal Canal.
Broad description study	Canals.
Detailed description study	Assessment of biological resources, investigation of plant and animal community.
Inventory Number	111
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Title/subject	The avian communities of four sites in Dublin.
Organisation/person	D Keating and J Whelan, Department of Agricultural Zoology, University College Dublin.
Location of study	Two parks, an urban wilderness and a residential area in Dublin City.
Broad description study	Fauna.
Detailed description study	Comparison of avian species-richness of four sites in Dublin.
Inventory Number	112
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Title/subject	Climate change and the future for the cockle <i>Cerastoderma edule</i> in Dublin Bay – an exercise in prediction modelling.
Organisation/person	James G Wilson.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	The effect of rising temperatures and rising sea levels on future distributions of the cockle <i>Cerastoderma edule</i> in Dublin Bay.
Inventory Number	113
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Title/subject	Distribution, biomass and production of bivalves in Dublin Bay.
Organisation/person	James G Wilson.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	

Inventory Number	114
Title/subject	The littoral fauna of Dublin Bay.
Organisation/person	James G Wilson.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	
Inventory Number	115
Title/subject	Pollution levels and the effects on the Dublin Bay ecosystem.
Organisation/person	JG Wilson, B Brennan, and B Rafferty.
Location of study	Dublin Bay.
Broad description study	Ecosystem study.
Detailed description study	
Inventory Number	116
Title/subject	Macroplea appendiculata (Coleoptera) in the Royal and Grand canals: a rarity or an overlooked species.
Organisation/person	C Monahan and JM Caffrey.
Location of study	Royal and Grand Canals.
Broad description study	Fauna.
Detailed description study	A study of the distribution and habitat preference of Macroplea appendiculata.
Inventory Number	117
Title/subject	Bats in the greater Dublin area.
Organisation/person	Noinin Reynolds (Bat Conservation Group).
Location of study	Approximatly 20 km ² areas distributed from Shankhill to Malahide and from
Broad description study	Fauna study (bats) – investigated a random sample of areas in Dublin including parks and gardens, canals, buildings and the seafront.
Detailed description study	All pipistrelle, lyster, whiskered and daubenton bats.
Inventory Number	118
Title/subject	Bats in Ballyfermot, Dublin.
Organisation/person	Donna Mullan (Bat Conservation Group).
Location of study	Ballyfermot, Dublin.
Broad description study	Fauna, habitats, canals.
Detailed description study	An examination of Ballyfermot with recommendations for improving the area for bats.

Inventory Number	119 —
Title/subject	National Parks and Wildlife Service Records for Dublin City 1985-1989.
Organisation/person	Kate McAney/Vincent Wildlife Trust.
Location of study	
Broad description study	Fauna.
Detailed description study	Bat records of the National Parks and Wildlife Service up to the establishment of the Dublin Bat Group.
Inventory Number	120 —
Title/subject	Bats in Dublin's City Centre Parks and Waterways.
Organisation/person	Niamh Roche (Bat Conservation Group).
Location of study	
Broad description study	Fauna, parks and gardens, waterways.
Detailed description study	Bats in Dublin's City Centre parks and waterways.
Inventory Number	121 —
Title/subject	Bat observations from Dublin City.
Organisation/person	Vicky Jones.
Location of study	
Broad description study	Fauna.
Detailed description study	Bats.
Inventory Number	122 —
Title/subject	Roof nesting gulls in Dublin City (south of River Liffey).
Organisation/person	Brian Madden with contribution by Hugh Delaney.
Location of study	Patrick St./Christ Church, Dame St., Nassau St., Merrion Square, Mount St., Shelbourne .
Broad description study	Fauna.
Detailed description study	A survey of roof-nesting gulls in Dublin City south of the River Liffey.
Inventory Number	123 —
Title/subject	Birds of Dublin Zoo.
Organisation/person	Peter Phillips.
Location of study	Dublin Zoo.
Broad description study	Fauna.
Detailed description study	Description of wild birds in Dublin Zoo since the late 1980s, with an emphasis on waterfowl.

Inventory Number	124
Title/subject	Roof nesting Lesser Black-backed Gulls at Islandbridge, Dublin.
Organisation/person	A. Dalton.
Location of study	Islandbridge.
Broad description study	Fauna.
Detailed description study	Roof nesting Lesser Black-backed gulls at Islandbridge, Dublin.
Inventory Number	125
Title/subject	Roof nesting Herring Gulls in Dublin City.
Organisation/person	Brian Madden.
Location of study	Dublin City.
Broad description study	Fauna.
Detailed description study	Roof nesting Herring Gulls in Dublin City.
Inventory Number	126
Title/subject	Ecological Study of Camac River Inchore-Kilmainham.
Organisation/person	BEC Consultants.
Location of study	Camac River Valley Inchicore to Kilmainham.
Broad description study	Flora, fauna, wildlife habitats.
Detailed description study	River valley flora, fauna and habitats.
Inventory Number	127
Title/subject	Cork St./The Coombe EIS.
Organisation/person	Dublin Corporation (now City Council).
Location of study	Cork St./The Coombe.
Broad description study	Flora and fauna.
Detailed description study	
Inventory Number	128
Title/subject	Breaching of Causeway at North Bull Island EIS.
Organisation/person	ESB International for Dublin City Council.
Location of study	North Bull Island.
Broad description study	Flora, fauna, habitats and geomorphology.
Detailed description study	Mudflat, salt-marsh and sand dune systems.

Inventory Number	129 —
Title/subject	Water Oughty Management Plan, Tolka Valley.
Organisation/person	Dublin Naturalists Fieldclub.
Location of study	Tolka Valley: Cardiffsbridge to Mulhuddart.
Broad description study	Flora, fauna and habitats.
Detailed description study	
Inventory Number	130 —
Title/subject	Flora and Fauna for EIS.
Organisation/person	Mary Tubridy and Associates.
Location of study	East Wall Road.
Broad description study	Flora, fauna, habitats.
Detailed description study	Birds, higher plants, bryophytes; buildings, amenity grassland.
Inventory Number	131 —
Title/subject	Liffey Valley: Ecological Survey and Management Plan.
Organisation/person	Mary Tubridy and Associates.
Location of study	Liffey Valley Park between Island Bridge and Chapelizod Bridge.
Broad description study	Flora, fauna, habitats, parks or gardens, geology, landscape history, archaeology.
Detailed description study	Fish, mammals, flowering plants, birds; river amenity woodland, amenity grassland, improved agricultural grassland.
Inventory Number	132 —
Title/subject	Guidelines for the management of vegetation along the Liffey in the Liffey Valley Park.
Organisation/person	Mary Tubridy and Associates.
Location of study	Liffey Valley Park.
Broad description study	Flora, fauna and habitats.
Detailed description study	Waterfowl, flowering plants, river.
Inventory Number	133 —
Title/subject	Botanical survey of open spaces in Kilbarrack.
Organisation/person	Mary Tubridy and Associates.
Location of study	All open spaces between the coast and Kilbarrack Dart Station.
Broad description study	Flora, parks or gardens.
Detailed description study	Flowering plants; amenity grassland.

Inventory Number	134
Title/subject	The breeding density of the Magpie in Dublin City.
Organisation/person	Brendan P Kavanagh.
Location of study	Urban area.
Broad description study	Fauna.
Detailed description study	Study of the breeding density of Magpie in Dublin City.
Inventory Number	135
Title/subject	Mute Swan herds in Dublin and Wicklow.
Organisation/person	Richard Collins and John Whelan.
Location of study	An area of 1500km squared in Dublin and Wicklow.
Broad description study	Fauna.
Detailed description study	Investigation into the movement of Mute Swans between flocks in Dublin and Wicklow.
Inventory Number	136
Title/subject	A comparison of the macro-invertebrate fauna of mud flats vegetated by <i>Spartina anglica</i> and <i>Salicornia</i> spp. at North Bull Island.
Organisation/person	Mark J McCorry and Marinus L Otte.
Location of study	
Broad description study	Flora.
Detailed description study	<i>Spartina anglica</i> , <i>Salicornia</i> spp., mud flats.
Inventory Number	137
Title/subject	Fungi of the Bull Island saltmarsh system: cultural and molecular diversity.
Organisation/person	Niamh Ni Bhroin, Eleanor Landy and Nicholas Clipson.
Location of study	
Broad description study	Flora.
Detailed description study	Fungi of the saltmarsh system at Bull Island, Dublin Bay.
Inventory Number	138
Title/subject	The use of intertidal saltmarshes creeks as fish nursery areas: a seasonal survey of the fish in North Bull Island.
Organisation/person	Violetta Koutsogiannopoulo.
Location of study	
Broad description study	Fauna
Detailed description study	Fish

Inventory Number	139
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Title/subject	DragonflyIreland
Organisation/person	Sciences Division
Location of study	Study includes DCC area.
Broad description study	Fauna.
Detailed description study	Odonata (dragonflies); freshwater.
Inventory Number	140
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Title/subject	Use of a Zostera bed in Dublin Bay by Light-bellied Brent Geese, 1981/82 to 1990/91.
Organisation/person	Micheal O Briain.
Location of study	Merrion Strand, Dublin Bay.
Broad description study	Fauna.
Detailed description study	Brent geese; intertidal zone and shallow sub-littoral waters.
Inventory Number	141
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Title/subject	The Pied Wagtail roost in O'Connell Street, Dublin.
Organisation/person	Don CF Cotton and John K Lovatt.
Location of study	O'Connell Street, Dublin.
Broad description study	Fauna.
Detailed description study	Pied wagtail; urban roost sites.
Inventory Number	142
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Title/subject	Sediment-water nitrogen exchange in the intertidal areas of Dublin Bay.
Organisation/person	Eleanor Jennings.
Location of study	Intertidal areas of Dublin Bay.
Broad description study	Habitat.
Detailed description study	Sediment and water chemistry of the intertidal areas of Dublin Bay.
Inventory Number	143
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Title/subject	Factors influencing macroalgal growth in the Dublin Bay lagoons.
Organisation/person	Janet Khan.
Location of study	Lagoons in Dublin Bay.
Broad description study	Flora.
Detailed description study	Algal study.

Inventory Number	144
Title/subject	A study of the relationship between estimated leaf-yeast numbers on Fraxinus excelsior (ash) leaves and Dublin City air pollution.
Organisation/person	WN Horan.
Location of study	Dublin City.
Broad description study	Flora.
Detailed description study	Leaf-yeasts and ash trees.
Inventory Number	145
Title/subject	A study on the relationship between the leaf yeast Sporobolomyces roseus on Fraxinus excelsior trees in TCD.
Organisation/person	James Huey.
Location of study	Dublin City Centre, including Trinity College Dublin.
Broad description study	Flora.
Detailed description study	Leaf-yeasts and ash trees.
Inventory Number	146
Title/subject	Sea shore litter+ C624 around the Dublin coast.
Organisation/person	Frances Fitzgerald.
Location of study	Dublin Coast.
Broad description study	
Detailed description study	
Inventory Number	147
Title/subject	Study of the Meiofauna of Dublin Bay.
Organisation/person	David Bourke.
Location of study	Dublin Bay.
Broad description study	Meiofauna.
Detailed description study	
Inventory Number	148
Title/subject	Metal levels in a commercial fish species: Pleuronectes platessa and a non-commercial fish species.
Organisation/person	Laurence Dempsey.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Commercial and non-commercial fish species: Pleuronectes platessa and Callionymus lyra.

Inventory Number	149
Title/subject	Phytoplankton in Dublin Bay.
Organisation/person	Gary Free.
Location of study	Dublin Bay.
Broad description study	Flora.
Detailed description study	
Inventory Number	150
Title/subject	The nitrogen turnover of the salt-marsh on North Bull Island, Dublin Bay.
Organisation/person	Mary Hayes.
Location of study	North Bull Island, Dublin Bay.
Broad description study	Habitat.
Detailed description study	Nitrogen turnover of salt-marsh.
Inventory Number	151
Title/subject	The transport of suspended particulate matter into and out of the South Lagoon – North Bull Island.
Organisation/person	Anne Murray.
Location of study	South lagoon, North Bull Island, Dublin Bay.
Broad description study	Habitat.
Detailed description study	South Lagoon, North Bull Island.
Inventory Number	152
Title/subject	Hydrobia ulvae as a biological indicator of metals in Dublin Bay.
Organisation/person	Marie O'Malley.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Marine invertebrate (Hydrobia ulvae) and metal concentrations.
Inventory Number	153
Title/subject	The pollution status of the Dodder Estuary.
Organisation/person	Ann O'Brien.
Location of study	Dodder Estuary.
Broad description study	Habitat.
Detailed description study	Dodder Estuary.

Inventory Number	154
Title/subject	The biology of Vaucheria in Northern Dublin Bay.
Organisation/person	D Slevin.
Location of study	Northern Dublin Bay.
Broad description study	Flora.
Detailed description study	Alga (Vaucheria).
Inventory Number	155
Title/subject	Talitrid Amphipods as a biomonitor of heavy metal pollution in Dublin Bay.
Organisation/person	S Tinnelly.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Crustaceans (Talitrid Amphipods).
Inventory Number	156
Title/subject	An investigation into the emergence patterns of the Dublin Bay Prawn, <i>Nephrops norvegicus</i> (L).
Organisation/person	Jennifer Whitmore.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Dublin Bay Prawn.
Inventory Number	157
Title/subject	Reproduction in Fallow deer (<i>Dama dama</i> Linnaeus 1758) and fawn survival (1990-1992) in the Phoenix Park.
Organisation/person	Jane M O'Connell.
Location of study	Phoenix Park.
Broad description study	Fauna.
Detailed description study	Fallow deer (<i>Dama dama</i>): reproduction and fawn survival.
Inventory Number	158
Title/subject	Limnological investigations of the River Liffey.
Organisation/person	Ciaran Foster.
Location of study	River Liffey.
Broad description study	Limnology.
Detailed description study	

Inventory Number	159
Title/subject	Bull Island: A study of the infauna in relation to the inter-tidal sediments.
Organisation/person	Derek Mulvany.
Location of study	Bull Island.
Broad description study	Infauna in relation to the intertidal sediments.
Detailed description study	
Inventory Number	160
Title/subject	An environmental study of Dublin Bay using remote sensing techniques.
Organisation/person	Dympna McCourt.
Location of study	Bull Island.
Broad description study	Environmental study using remote sensing techniques.
Detailed description study	
Inventory Number	161
Title/subject	Theh ecological distribution of the littoral isopods in Dublin Bay.
Organisation/person	Erica Brandt.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Crustaceans (isopods).
Inventory Number	162
Title/subject	The distribution of some heavy metals in organisms from Dublin Bay.
Organisation/person	HJL Weir.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Distribution of heavy metals in organisms from Dublin Bay.
Inventory Number	163
Title/subject	The distribution and ecology of <i>Hydrobia ulvae</i> on the mudflats at the North Bull Island.
Organisation/person	Veronica Canning.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Distribution and ecology of <i>Hydrobia ulvae</i> .

Inventory Number	164
Title/subject	Investigation of the age structure and growth of a population of sea mussels in Dublin Bay.
Organisation/person	Rory M O'Sullivan.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Age structure and growth of sea mussels.
Inventory Number	165
Title/subject	Bioaccumulation of copper in <i>Arenicola marina</i> (L) from the muds of North Bull Island.
Organisation/person	Antony Jensen.
Location of study	North Bull Island, Dublin Bay.
Broad description study	Fauna.
Detailed description study	Bioaccumulation of copper in <i>Arenicola marina</i> .
Inventory Number	167
Title/subject	Spatial dispersion of two species of bivalve: <i>Cardium edule</i> L. and <i>Macoma balthica</i> L. in Dublin Bay.
Organisation/person	P Mark Norman.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Spatial dispersion of two species of bivalve (<i>Cardium edule</i> L. and <i>Macoma balthica</i> L.) in Dublin Bay.
Inventory Number	168
Title/subject	A description and comparison of the zooplankton of nine ponds in Dublin City.
Organisation/person	Catherine O'Sullivan.
Location of study	Dublin City.
Broad description study	Fauna.
Detailed description study	Zooplankton of nine ponds in Dublin City.
Inventory Number	169
Title/subject	The cockle (<i>Cerastoderma edule</i>) and the oystercatcher (<i>Haematopus ostralegus</i>): A predator-prey analysis on South Bull.
Organisation/person	Mike Pilkington.
Location of study	South Bull, Dublin Bay.
Broad description study	Fauna.
Detailed description study	Predator-prey analysis between the cockle and the oystercatcher.

Inventory Number	170
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Title/subject	The feeding habits of the freshwater minnow (<i>Phoxinus phoxinus</i>) of the River Dodder.
Organisation/person	Catherine Tobin.
Location of study	River Dodder.
Broad description study	Fauna.
Detailed description study	Feeding habits of freshwater minnow.
Inventory Number	171
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Title/subject	A study of the sexual cycle of <i>Nephtys hombergii</i> at Bull Island, Dublin Bay.
Organisation/person	O Bourke.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	The sexual cycle of a catworm (<i>Nephtys hombergii</i>).
Inventory Number	172
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Title/subject	An investigation to determine the preference of morphological heterogeneity in <i>Hydrobia ulvae</i> .
Organisation/person	Pauline Farrell.
Location of study	Bull Island, Dublin Bay.
Broad description study	Fauna.
Detailed description study	Morphological heterogeneity in <i>Hydrobia ulvae</i> .
Inventory Number	173
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Title/subject	An analysis of the population structures and aspects of the sexual cycle of <i>Arenicola marina</i> (L) at Bull Island.
Organisation/person	Karl JK Clowry
Location of study	Bull Island, Dublin Bay (and Booterstown)
Broad description study	Fauna
Detailed description study	Population structure and aspects of the sexual cycle of <i>Arenicola marina</i>
Inventory Number	174
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Title/subject	The distribution and food of otters <i>Lutra lutra</i> (L.) in the Dublin area.
Organisation/person	Ruth Lunnon.
Location of study	Dublin area.
Broad description study	Fauna.
Detailed description study	Distribution and food of the otter.

Inventory Number	175
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Title/subject	The utilisation of urban standing-water by the common frog, <i>Rana temporaria</i> , in Dublin City.
Organisation/person	Sean Rooney.
Location of study	Dublin city (contrasting with mountain and agricultural regions).
Broad description study	Fauna.
Detailed description study	Utilisation of urban standing water by the common frog in contrast with mountain and agricultural regions.
Inventory Number	176
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Title/subject	An investigation into the diet of the Irish hare (<i>Lepus timidus hibernicus</i>) on North Bull Island.
Organisation/person	Rebecca Jeffrey.
Location of study	North Bull Island.
Broad description study	Fauna.
Detailed description study	The diet of the Irish hare.
Inventory Number	177
<hr/>	
Title/subject	Foraging behaviour of the oystercatcher <i>Haematopus ostralegus</i> , in Dublin Bay.
Organisation/person	Eimear Brennan.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	Foraging behaviour of the oystercatcher.
Inventory Number	178
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Title/subject	Dietary study and habitat requirements of the otter, <i>Lutra lutra</i> , in the catchment of the River Liffey.
Organisation/person	Stefanie O’Gorman.
Location of study	River Liffey.
Broad description study	Fauna.
Detailed description study	Dietary study and habitat requirements of the otter.
Inventory Number	179
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Title/subject	A study of the hypobenthos of Dublin Bay, with reference to the use of dominance curves in the analysis of community structure.
Organisation/person	John Brophy.
Location of study	Dublin Bay.
Broad description study	
Detailed description study	

Inventory Number	180
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Title/subject	A dietary study of the otter (<i>Lutra lutra</i> L.) in the Boyne and Liffey catchments, with special reference to the crayfish.
Organisation/person	Elaine Holmes.
Location of study	Liffey catchment (and the Boyne catchment).
Broad description study	Fauna.
Detailed description study	A dietary study of the otter with specific reference to the crayfish.
Inventory Number	181
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Title/subject	Effects of habitat variables on the abundance of the house sparrow (<i>Passer domesticus</i> L.) in the Dublin region.
Organisation/person	Anna Songhurst.
Location of study	Dublin region.
Broad description study	Fauna.
Detailed description study	Effects of habitat variables on the abundance of the house sparrow.
Inventory Number	182
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Title/subject	An assessment of the role of Brent geese, <i>Branta bernicla hrota</i> in the energy flow and biomass indices of Dublin Bay.
Organisation/person	Ursula Tierney.
Location of study	Dublin Bay.
Broad description study	Fauna.
Detailed description study	The role of Brent Geese in the energy flow and biomass indices of Dublin Bay.
Inventory Number	183
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Title/subject	Birds of Trinity College.
Organisation/person	Brian Madden, Lynn Mitchell and Tom Cooney.
Location of study	Trinity College Dublin.
Broad description study	Fauna.
Detailed description study	Birds.
Inventory Number	184
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Title/subject	Pied Wagtail roosts in Dublin.
Organisation/person	JK Lovatt and DCF Cotton.
Location of study	O'Connell Street, Dublin.
Broad description study	Fauna.
Detailed description study	Birds (Pied Wagtail).

Inventory Number	185
Title/subject	Recent changes in breeding seabird populations in counties Dublin and Wicklow.
Organisation/person	Oscar Merne.
Location of study	North Bull Island, Ringsend and Dublin Docks.
Broad description study	Fauna.
Detailed description study	Recent changes in seabird populations in counties Dublin and Wicklow.
Inventory Number	186
Title/subject	Roof nesting lesser black-backed gulls at Islandbridge, Dublin.
Organisation/person	Alan Dalton.
Location of study	Islandbridge.
Broad description study	Fauna.
Detailed description study	Roof-nesting Lesser Black-Backed Gulls at Islandbridge.
Inventory Number	187
Title/subject	Herring Gulls nesting on buildings at Howth and Coolock, Co. Dublin.
Organisation/person	Patrick Harford.
Location of study	Coolock.
Broad description study	Fauna.
Detailed description study	Herring Gulls nesting on buildings in Coolock.
Inventory Number	188
Title/subject	Roof nesting by Herring Gulls in Dublin City.
Organisation/person	Brian Madden.
Location of study	O'Connell St, Kildare St, Merrion St, Merrion Row/Upper Merrion St, Hume St, Abbey St.
Broad description study	Fauna.
Detailed description study	Roof nesting by Herring Gulls in Dublin City.
Inventory Number	189
Title/subject	The flora of inner Dublin.
Organisation/person	Peter Wyse Jackson and Micheline Sheehy Skeffington.
Location of study	Inner City Dublin.
Broad description study	Flora.
Detailed description study	Flora (including cultivated plants, weeds, mosses and liverworts, lichens) and wildlife habitats.

Inventory Number	190
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Title/subject	Exploring Dublin wildlife, parks, waterways.
Organisation/person	Christopher Moriarty.
Location of study	Inner Dublin.
Broad description study	Natural history of inner Dublin.
Detailed description study	Habitats (canals, Liffeside, parks, building stones), birds, flowers, trees, mammals, fish, insects, rocks, soil and underground streams.
Inventory Number	191
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Title/subject	North Bull Island Report.
Organisation/person	D Brady and EG McCarron.
Location of study	North Bull Island.
Broad description study	Natural history review including ornithological, botanical, zoological and geomorphological interests.
Detailed description study	
Inventory Number	192
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Title/subject	Two alien legumes from waste ground in Dublin.
Organisation/person	JR Akeroyd.
Location of study	Lower Gardiner St.
Broad description study	Fauna.
Detailed description study	Occurrence of two alien species of plant: <i>Cicer arietinum</i> and <i>Lens culinaris</i> .
Inventory Number	193
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Title/subject	Network analysis of the energy flow through the Dublin Bay ecosystem.
Organisation/person	James G Wilson and Andrew Parkes.
Location of study	Dublin Bay.
Broad description study	A model of energy flows in Dublin Bay.
Detailed description study	Energy (biomass) and energy flows (production, inputs, transfers and respiration) were calculated for seven compartments.
Inventory Number	194
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Title/subject	The Charophyta of County Dublin (H21).
Organisation/person	James J King and David W Nash.
Location of study	Dublin City Area and Dublin County.
Broad description study	Flora.
Detailed description study	Charophyta from 69 sites in Dublin.

Inventory Number	195
Title/subject	Alien plants at Foynes and Dublin Ports in 1988.
Organisation/person	Sylvia CP Reynolds.
Location of study	Dublin Port and Foynes Port (Shannon Estuary).
Broad description study	Flora.
Detailed description study	Higher plant survey including alien species.
Inventory Number	196
Title/subject	Galinsoga ciliata (RAF.) Blake in Ireland.
Organisation/person	Pater H Carvill and Peter Wyse Jackson.
Location of study	Dublin City (Kildare St), County, Belfast, Co. Louth.
Broad description study	Flora.
Detailed description study	Higher plants (alien species).
Inventory Number	197
Title/subject	Kilmainham Mill Conservation Plan, Wildlife Portion.
Organisation/person	Faith Wilson.
Location of study	Kilmainham Mill, Kilmainham.
Broad description study	Flora (carried out by Sharon Parr), fauna (Faith Wilson).
Detailed description study	Birds and mammals.



This report is the result of the objectives of the Dublin City Heritage Plan 2002-2006. This research study which aims to provide interested parties with a better knowledge of existing data on the natural environment in the Dublin City area, and where this relates to on the ground. The centralising of information for Dublin fits into the wider strategy to centralise data nationally as part of the National Biodiversity Plan.

