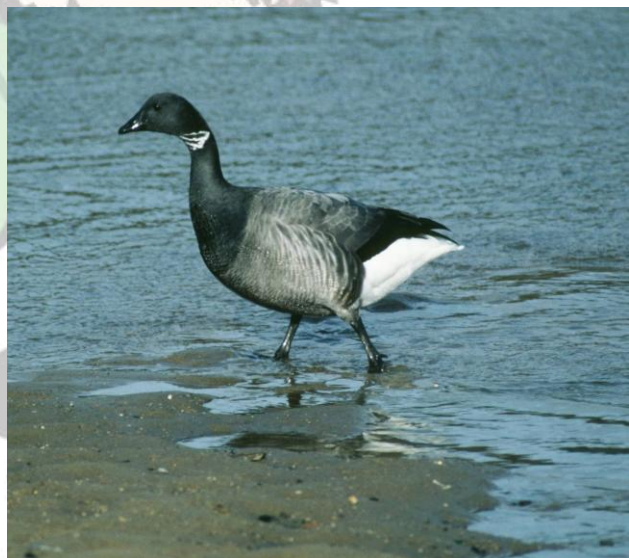


# Southend-on-Sea Local Biodiversity Action Plan Annual Report for 2012

*Prepared by the Parks Technical Section of  
Southend-on-Sea Borough Council*



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## SECTION 1 Southend's Local Biodiversity Action Plan Introduction

Southend-on-Sea Borough Council's Local **Biodiversity Action Plan (BAP)** has been produced as a result of an international agreement, called the Convention of Biological Diversity, which the UK Government signed at the 'Earth Summit' held at Rio de Janeiro in 1992.

The UK Government has prepared national plans for over 400 species and 40 habitats, but recognised that for national plans to be successful they need to be adopted by those local communities that live side by side with the biodiversity.

Local Authorities have been encouraged to prepare 'Local' Biodiversity Action Plans in partnership with local communities. These plans identify species and habitats unique to, or important to those communities. All Local Authorities have a '**Duty to Biodiversity**' which is detailed in Section 40 of the Natural Environmental and Rural Communities Act (NERC) 2006.

Southend's Local Biodiversity Action Plan was launched on 11<sup>th</sup> July 2003 after considerable effort from the former Leisure, Culture and Amenity Services Department and its partners, who consisted of local and regional wildlife and environmental groups and organisations.

The Local Biodiversity Action Plan consists of individual action plans for 18 Southend habitats (plus one habitat statement) and 14 species. During 2003 copies of the Action Plan were distributed to local partners. The Local Biodiversity Action Plan is also on Southend-on-Sea Borough Council's web site, where it can be viewed at:

[http://www.southend.gov.uk/info/1008/nature\\_reserves/402/nature\\_conservation\\_and\\_biodiversity](http://www.southend.gov.uk/info/1008/nature_reserves/402/nature_conservation_and_biodiversity)

The Local Biodiversity Action Plan is an on-going process that consists of a number of key objectives. Under each of the objectives is a series of targets, many of which are open-ended and can be considered as 'on-going'.

Southend-on-Sea Borough Council can only deliver all of the objectives within the Action Plan in partnership. Everyone can get involved to help to meet biodiversity objectives and ensure our wildlife and important green spaces are conserved for future generations.

- The first section of this Annual Report highlights the BAP 'Actions' of Southend-on-Sea Borough Council and its partners during 2012.
- The second section of this report is a record of BAP data collected in 2012.

The support and enthusiasm of partners is very and important, and a special Thank You goes to everybody that has contributed during the year.

Previous Annual Reports (2008 – 2011) can also be found on Southend Council's web site.

[http://www.southend.gov.uk/downloads/download/615/local\\_biodiversity\\_action\\_plan](http://www.southend.gov.uk/downloads/download/615/local_biodiversity_action_plan)

Louise Morris  
Southend Environmental Projects Manager

### **What is Biodiversity?**

*Biological diversity, or biodiversity as it is commonly known, is the collective term given to the huge variety of life that exists today. Not only does it include all species of plants and animals, but also their genetic variation and the complex ecosystems in which they live. It is not just rare or threatened species either: it encompasses the entire natural world including the plants and animals familiar to us in places where we live or work.*

## SECTION 2 Biodiversity Action Plan Key Points

The action plan is divided into 3 sections:

- **Section 3** lists the actions that have been met for Southend's 18 Habitat Action Plans and 14 Species Action Plans during 2012. You can use the contents page to quickly look at the action plans that are of most interest to you.
- **Section 4** is a record of all wildlife data that has been collected for Southend's BAP species and BAP habitats during 2012.
- **Section 5** is a short summary that compares the total number of *Actions* that have been met for each Action Plan during 2012.

2011 has been another fantastic year for biodiversity conservation work in Southend with new and continued projects being carried out by our conservation partners and Southend-on-Sea Borough Council.

Those Action Plans that have received the most actions during 2012 include:-

- Brackish Lagoon
- Saltmarsh
- Natural Grassland
- Traditional Orchard
- Woodland
- Gardens in Urban Areas
- Public parks and Amenity Open Spaces
- Heath Fritillary
- Stag beetle
- Dormouse

Those Action Plans that did not receive any recorded actions during 2012 include:-

- Ancient and Veteran Trees
- Arable Land and Field Margins
- Dark Bellied Brent Goose
- Garden Birds
- Bats
- Cetaceans
- Water Vole
- Great Crested Newt

Groups who are considering wildlife conservation projects or activities during 2013 could be encouraged to consider those species and habitats above, which had fewer actions this year, in the project is appropriate.

Please continue the fantastic work, and ensure all on-going *Actions* are acknowledged in next year's 2013 report.

## SECTION 3 Meeting the Local Biodiversity Action Plan in 2012

The following list identifies those objectives met during 2012.

### 3.1 HABITAT ACTION PLAN – AQUATIC

#### Brackish Lagoons

Objective 8.1 Protection of this habitat

Objective 8.2 Raise Awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Essex Wildlife Trust	Avocet Watch	Two Tree Island	16/4/12 to 15/06/2012	30	52	5000	8.1, 8.2

#### Intertidal Mudflat and Sandflat Communities

Objective 8.1 Protect and maintain this habitat in Southend on Sea

Objective 8.2 Monitor this habitat

Objective 8.3 Raise Awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Roger Payne, SMS	General recording	Jubilee Beach	02/09/2012				8.2, 8.3
Roger Payne, SMS with SENHS	Plankton sampling	End of the pier	14/10/2012		6		8.2, 8.3

#### Ponds and Lakes

Objective 8.1 Protection of existing quality and extent of this habitat

Objective 8.2 Improvement of this habitat in Southend-on-Sea

Objective 8.3 The increase of this habitat in Southend-on-Sea

Objective 8.4 Monitoring of the existing extent of this habitat

Objective 8.5 Raise Awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
South East Essex Conservation Volunteers	Path/pond/litter clearance	St. Mary's Nature Reserve, North Shoebury	25/03/2012		9		8.1, 8.2
Essex Wildlife Trust	Installation of 5 small freshwater ponds	Two Tree Island	08/01/2012 12/08/12 15/08/12	1	10	25	8.1, 8.3

## Reedbed and Marsh

Objective 8.1 Protect and maintain all existing reedbeds

Objective 8.2 Increase the extent of reedbed habitat, when and if appropriate

Objective 8.3 Raise awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Essex Wildlife Trust	Reed transplanting to create a new area	Two Tree Island	08/07/2012	1	5	100	8.1, 8.2
Essex Wildlife Trust	Reed clearance	Two Tree Island	11/11/2012	1	6	500	8.1

## Rivers, Streams and Drainage Ditches

Objective 8.1 Protection of the current extent and quality of this habitat

Objective 8.2 Increase the current extent and quality of this habitat

Objective 8.3 Identify and monitor notable examples of this habitat

Objective 8.4 Raise awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Essex Wildlife Trust	Ditch clearance	Hinguar	11/10/2012	60	4		8.1

## Saltmarsh

Objective 8.1 Protection of the extent and quality of this habitat

Objective 8.2 Monitoring and surveying of this habitat

Objective 8.3 Increase the extent and quality of this habitat

Objective 8.4 Raise Awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Roger Payne, SMS with SENHS	Bird recording	Two Tree Island	19.02.2012		4		8.4
Essex Wildlife Trust	Making 100 Brushwood faggotts	Two Tree Island	12/04/2012		3	5000	8.1, 8.3
Essex Wildlife Trust	Installing 100 Brushwood faggotts for stabilisation	Two Tree Island	24/06/2012		19	5000	8.1, 8.3

## Seagrass Beds

Objective 8.1 Protection of the existing extent of this habitat

Objective 8.2 Monitoring of the extent, quality and distribution of this habitat

Objective 8.3 Raise Awareness

No recorded actions during 2012

## **3.2 HABITAT ACTION PLANS – TERRESTRIAL**

### **Ancient and Veteran Trees**

Objective 8.1 Survey and identify the current stock of veteran trees

Objective 8.2 Protect important examples of veteran trees

Objective 8.3 Raise awareness

No recorded actions during 2012

### **Arable Land and Field Margins**

Objective 8.1 Protection of this habitat

Objective 8.2 Raise awareness

No recorded actions during 2012

### **Hedgerows**

Objective 8.1 Halt the further loss of ancient or species-rich hedgerows in Southend-on-Sea

Objective 8.2 Identification of ancient or species-rich hedgerows in Southend-on-Sea

Objective 8.3 Encourage the increase of this habitat in Southend-on-Sea

Objective 8.4 Raise awareness

<b>Name / Department</b>	<b>Brief Description of Activity</b>	<b>Location</b>	<b>Date of activity</b>	<b>Number of Young Volunteers</b>	<b>Number of Adult Volunteers</b>	<b>Estimate Area Affected</b>	<b>Objective</b>
Roger Payne, SMS	Insect recording	Victoria Avenue, adjacent Churchill Gdns.	25.04.2012				8.4
Roger Payne, SMS	Insect recording	Victoria Avenue, adjacent Churchill Gdns.	24.05.2012				8.4

## Natural Grassland

Objective 8.1 Maintain the current level of unimproved grassland

Objective 8.2 Identification of sites with important examples of unimproved grassland

Objective 8.3 Prevent future degradation of existing unimproved grassland

Objective 8.4 Encourage the creation of areas of unimproved grassland

Objective 8.5 Raise Awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
SENHS	Planting Deptford Pink & watered	Belton Hills	18/04/2012				8.3
SENHS	Planting Deptford Pink & watered	Belton Hills	27/06/2012				8.3
SENHS	Planting Deptford Pink & watered	Belton Hills	16/07/2012				8.3
SENHS	Scattered seed	Belton Hills in suitable spots	30/09/2012				8.3
South East Essex Conservation Volunteers	Path/litter clearance	St. Mary's Nature Reserve, North Shoebury	29/07/2012		6		8.1, 8.2
South East Essex Conservation Volunteers	Pond/path clearance and strimming/raking of meadow	St. Mary's Nature Reserve, North Shoebury	23/09/2012		9		8.1, 8.2
Roger Payne, Southend Museum Service with SENHS	On-going survey of flora and fauna	Shoebury Old Ranges nature reserve	25/03/2012		6		8.5
Roger Payne, SMS with SENHS	General recording	Prittlewell Camp	24/06/2012		4		8.5
Tim Pyner, SBC	Flora survey	Prittlewell Camp	10/04/2012 16/05/2012 28/06/2012 05/07/2012 06/09/2012				8.5



## Traditional Orchard

Objective 8.1 Protect the existing extent of this habitat and prevent further losses

Objective 8.2 Increase the extent of traditional orchards in Southend-on-Sea

Objective 8.3 Raise Awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
South East Essex Conservation Volunteers	Hedgelaying, bramble clearance	St. Laurence Orchard, Eastwood	12/02/2012		12		8.1
South East Essex Conservation Volunteers	Hedgelaying, clearance around trees	St. Laurence Orchard, Eastwood	02/12/2012		7		8.1
St Laurence Orchard	Traditional management	St Laurence Orchard	2012				8.1, 8.3
St Laurence Orchard, Trust Links, Growing Together	Traditional management with service users	St Laurence Orchard	2012				8.1, 8.3
St Laurence Orchard	Apple Day	St Laurence Orchard	13/10/2012		130		8.3
St Laurence Orchard and Conservation Trust	Clearing and hedge laying; species counting	St Laurence Orchard	2012		2		8.1, 8.3

## Woodland

Objective 8.1 Maintain and protect the current extent and quality of this habitat

Objective 8.2 Increase the amount of this habitat within Southend Borough Council

Objective 8.3 Monitor the status of this habitat

Objective 8.4 Raise awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Essex Wildlife Trust	Hedgehog home/Invert hotel/bird and bat boxes	Hinguar	15/06/2012	150	10		8.1, 8.4
South East Essex Conservation Volunteers	Bracken clearance	Dodd's Grove	03/06/2012		6		8.1

### **3.3 HABITAT ACTION PLANS – URBAN**

#### **Allotments**

Objective 8.1 Protection of this habitat

Objective 8.2 Enhancement of wildlife value of sites

Objective 8.3 Increase the number of allotment holders

Objective 8.4 Raise awareness

<b>Name / Department</b>	<b>Brief Description of Activity</b>	<b>Location</b>	<b>Date of activity</b>	<b>Number of Young Volunteers</b>	<b>Number of Adult Volunteers</b>	<b>Estimate Area Affected</b>	<b>Objective</b>
Leigh-on-Sea Allotments and Leisure Gardeners Association	Wildlife surveying	Leigh Allotments	2012			3035m2	8.1, 8.4
South East Essex Women's Environmental Network	Pond survey	Manchester Drive Allotments	13/07/2012		1	3m2	8.4
South East Essex Women's Environmental Network	Pond dipping event	Manchester Drive Allotments	16/08/2012			3m2	8.4

#### **Churchyards and Cemeteries**

Objective 8.1 Identification and protection of the most important examples of this habitat.

Objective 8.2 Encourage the increase of wildlife within this habitat

Objective 8.3 Raise awareness

<b>Name / Department</b>	<b>Brief Description of Activity</b>	<b>Location</b>	<b>Date of activity</b>	<b>Number of Young Volunteers</b>	<b>Number of Adult Volunteers</b>	<b>Estimate Area Affected</b>	<b>Objective</b>
Roger Payne, SMS with Blade Education & Westborough School	Bug hunt	North Road Burial Ground	23.04.2012	50	10		8.3

## Gardens in Urban Areas

Objective 8.1 To increase the diversity and abundance of wildlife in gardens in Southend-on-Sea

Objective 8.2 Raise awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Essex Wildlife Trust	Planting Nectar rich seeds, bulbs and plants in school grounds.	St Helens - Westcliff	09/03/2012	150	6		8.1, 8.2
Essex Wildlife Trust	Hedgehog home/Invert hotel	St Helens - Westcliff	21/03/2012	30	3		8.1, 8.2
Essex Wildlife Trust	Wildlife area planting	St Georges - Shoeburyness	29/03/2012	59	4		8.1, 8.2
Essex Wildlife Trust	Wildlife area planting	Hinguar	21/05/2012	11	1		8.1, 8.2
Essex Wildlife Trust	Living willow fedge creation	Hinguar	10/12/2012	6	7	52 metres	8.1, 8.2

## Public Parks and Amenity Open Spaces

Objective 8.1 Improve the range of biodiversity found in parks and open spaces.

Objective 8.2 Protect key species found in parks and open spaces

Objective 8.3 Raise awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Roger Payne, Southend Museum Service	on-going survey of flora and fauna	Priory Park	10.02.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	23.02.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	13.03.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	23.03.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	27.03.2012				8.3
Roger Payne, SMS with SENHS	general recording	Priory Park	15.04.2012		8		8.3
public event organized by SMS	an evening recording bats and moths	Priory Park	24.08.2012	15	29		8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	26.05.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	30.05.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	17.07.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	12.07.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	25.07.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	22.08.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	24.08.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	13.09.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	10.10.2012				8.3
Roger Payne, SMS	on-going survey of flora and fauna	Priory Park	07.11.2012				8.3

## **Roadsides and Verges**

Objective 8.1 Identification and protection of notable species-rich verges

Objective 8.2 Encourage the diversification and enhancement of the wildlife value of species-rich verges

Objective 8.3 Raise awareness

No recorded actions during 2012

## **3.4 SPECIES ACTION PLAN – BIRDS**

### **Dark-bellied Brent Goose**

Objective 8.1 Protection and increase the number of this species

Objective 8.2 Raise awareness

No recorded actions during 2012

### **Garden Birds**

Objective 8.1 Maintain and increase current population levels of these species

Objective 8.2 Recording of these species

Objective 8.3 Raise awareness

No recorded actions during 2012

### **Skylark**

Objective 8.1 Protect and maintain the current population of this species

Objective 8.2 Identification and monitoring of important breeding sites in Southend-on-Sea.

Objective 8.3 Increase the numbers of the species in Southend-on-Sea

Objective 8.4 Raise awareness

<b>Name / Department</b>	<b>Brief Description of Activity</b>	<b>Location</b>	<b>Date of activity</b>	<b>Number of Young Volunteers</b>	<b>Number of Adult Volunteers</b>	<b>Estimate Area Affected</b>	<b>Objective</b>
Essex Wildlife Trust	Installation of 5 small freshwater ponds	Two Tree Island	08/01/2012 12/08/12 15/08/12	1	10	25	8.3, 8.4

## **3.5 SPECIES ACTION PLAN – INVERTEBRATES**

### **Heath Fritillary Butterfly**

Objective 8.1 Maintain a viable population of Heath Fritillary butterfly in Belfairs Nature Reserve

Objective 8.2 Monitor the populations of the Heath Fritillary butterfly in Belfairs Nature Reserve

Objective 8.3 Expand the current populations of the Heath Fritillary in Essex

Objective 8.4 Raise awareness

<b>Name / Department</b>	<b>Brief Description of Activity</b>	<b>Location</b>	<b>Date of activity</b>	<b>Number of Young Volunteers</b>	<b>Number of Adult Volunteers</b>	<b>Estimate Area Affected</b>	<b>Objective</b>
SENHS	Heath Fritillary	Bracken pulling	Dodds Grove	02/06/2012	0	1	8.1, 8.3
SENHS	Heath Fritillary	Clearing Bramble	Dodds Grove	07/07/2012	0	8	8.1, 8.3
SENHS	Heath Fritillary	Coppicing and ride maintenance for the Heath Fritillary butterfly	Dodds Grove	02/10/2012	0	2	8.1, 8.3
Don Down & Butterfly Conservation	Heath Fritillary	Coppicing and ride maintenance for the Heath Fritillary butterfly	Dodds Grove	02/12/2012	0	1	8.1, 8.3

### **Shrill Carder Bee**

Objective 8.1 Maintain and protect the current range of the Shrill Carder Bee

Objective 8.2 Monitor the existing populations and identify new populations of this species

Objective 8.3 Raise awareness

<b>Name / Department</b>	<b>Brief Description of Activity</b>	<b>Location</b>	<b>Date of activity</b>	<b>Number of Young Volunteers</b>	<b>Number of Adult Volunteers</b>	<b>Estimate Area Affected</b>	<b>Objective</b>
Roger Payne, SMS	Recording	Leigh Marsh near sea wall	22/07/2012				8.2
Essex Wildlife Trust	Construction of hibernacula/beetle banks using material gained from clearance of path edges	Two Tree Island	10/06/2012 25/11/12	1	12	6	8.1, 8.3

## Stag Beetle

Objective 8.1 Maintain the current population level of this species

Objective 8.2 Survey and monitoring of this species

Objective 8.3 Increase the current population status of this species

Objective 8.4 Raise awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Essex Wildlife Trust	Stag beetle pyramid creation within wildlife area of school grounds	St Helens - Westcliff	19/03/2012	120	3		8.1, 8.4
Essex Wildlife Trust	Stag beetle pyramid creation within wildlife area of school grounds (also created a sensory garden)	Hinguar - Shoeburyness	13/06/2012	60	6		8.1, 8.4



## **3.6 SPECIES ACTION PLAN – MAMMALS**

### **Bats**

Objective 8.1 Identify the current distribution and status of bat populations in Southend-on-Sea

Objective 8.2 Maintain current population levels

Objective 8.3 Encourage the increase of bat species from the population level

Objective 8.4 Raise awareness

No recorded actions during 2012

### **Cetaceans (whales, porpoises and dolphins)**

Objective 8.1 Maintain current populations of these species

Objective 8.2 Recording these species

Objective 8.3 Raise awareness

No recorded action during 2012

### **Dormouse**

Objective 8.1 Identify current distribution of dormouse population

Objective 8.2 Halt the further decline of the dormouse population

Objective 8.3 Encourage the increase of dormouse numbers through the habitat creation and appropriate management

Objective 8.4 Raise awareness

<b>Name / Department</b>	<b>Brief Description of Activity</b>	<b>Location</b>	<b>Date of activity</b>	<b>Number of Young Volunteers</b>	<b>Number of Adult Volunteers</b>	<b>Estimate Area Affected</b>	<b>Objective</b>
Southend Dormouse Group	Dormouse monitoring of nest boxes	Hadleigh Great Wood and Dodds Grove	April - November 2012		8	92.5 acres	8.1, 8.2, 8.4
Southend Dormouse Group	Training new dormouse monitors	Hadleigh Great Wood and Dodds Grove	April - November 2012		8	92.5 acres	8.1, 8.2, 8.4
Southend Dormouse Group	Putting up dormouse monitoring tubes	Belfairs Park Woods	Jul-12		5	28ha	8.1, 8.2, 8.4

## Water Vole

Objective 8.1 Identify and protect the populations of this species

Objective 8.2 Increase the population and range of this species

Objective 8.3 Monitor the status of this species

Objective 8.4 Raise awareness

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Essex Wildlife Trust	Reed clearance	Two Tree Island	11/11/2012	1	6	500	8.2
Essex Wildlife Trust	Species survey - no evidence found	Belfairs Park	01/06/2012				8.3

## **3.7 SPECIES ACTION PLAN – OTHER VERTEBRATES**

### **Great Crested Newt**

Objective 8.1 Identify the current distribution of the great crested newt population

Objective 8.2 Monitoring the population of the great crested newt

Objective 8.3 Halt further declines in the population of great crested newt

Objective 8.4 Encourage the expansion of the great crested newt from its current range

No recorded action during 2012

### **Reptiles**

Objective 8.1 Maintain the current extent of these species

Objective 8.2 Identify and monitor the current distribution of reptile species

Objective 8.3 Encourage the increase of reptile species from the current population level

Objective 8.4 Raise awareness

<b>Name / Department</b>	<b>Brief Description of Activity</b>	<b>Location</b>	<b>Date of activity</b>	<b>Number of Young Volunteers</b>	<b>Number of Adult Volunteers</b>	<b>Estimate Area Affected</b>	<b>Objective</b>
Essex Wildlife Trust	Installation of 5 small freshwater ponds	Two Tree Island	08/01/2012 12/08/12 15/08/12	1	10	25	8.3
Essex Wildlife Trust	Construction of hibernacula/beetle banks using material gained from clearance of path edges	Two Tree Island	10/06/2012 25/11/12	1	12	6	8.1. 8.3, 8.4

### **3.8 SPECIES ACTION PLAN – PLANTS AND TREES**

#### **Black Poplar**

Objective 8.1 Protection of the existing population of black poplar trees in Southend-on-Sea

Objective 8.2 Encourage an increase in the number of Black Poplar trees in the local region

Objective 8.3 Raise awareness

No recorded action during 2012

#### **Deptford Pink**

Objective 8.1 Maintain existing population levels of this species.

Objective 8.2 Encourage the increase of the Deptford Pink on Belton Hills Local Nature Reserve

Objective 8.3 Raise awareness

<b>Name / Department</b>	<b>Brief Description of Activity</b>	<b>Location</b>	<b>Date of activity</b>	<b>Number of Young Volunteers</b>	<b>Number of Adult Volunteers</b>	<b>Estimate Area Affected</b>	<b>Objective</b>
SENHS	Planting Deptford Pink	Belton Hills	18/04/2012				8.2
SENHS	Planting Deptford Pink	Belton Hills	27/06/2012				8.2
SENHS	Planting Deptford Pink	Belton Hills	16/07/2012				8.2

## SECTION 4 Biodiversity Action Plan Species Records 2012

This section is a record of Biodiversity Action Plan Species, or species found in a Southend Biodiversity Action Plan habitat, which have been sighted during 2012.

### 4.1 HABITAT ACTION PLAN - AQUATIC

#### Brackish Lagoon

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
BL1	Common Seal	<i>Phoca vitulina</i>	1	Paul Jenkinson	Paul Jenkinson	27/06/2012	Shoebury		Observed from Gunners Park

#### Intertidal Mudflats and Sandflats

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
IMSC215		<i>Agrostis stolonifera</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
IMSC216		<i>Anisantha rigida</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
IMSC217		<i>Anisantha sterilis</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	

<b>IMSC218</b>		Arctium minus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC219</b>		*Atriplex laciniata		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	Scattered along strand line. Notable species
<b>IMSC220</b>		*Atriplex littoralis		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC221</b>		*Atriplex portulacoides		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	Increasing, frequent with many seedlings
<b>IMSC222</b>		Atriplex prostrata		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC223</b>		*Beta vulgaris ssp. maritima		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC224</b>		Bromus hordeaceus ssp. hordeaceus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC225</b>		*Cakile maritima		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	Frequent on upper beach and strand line. Notable species
<b>IMSC226</b>		Carduus tenuiflorus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC227</b>		Carex riparia		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	Large patch, increasing
<b>IMSC228</b>		*Catapodium marinum		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	Frequent on upper beach. Notable species
<b>IMSC229</b>		Catapodium rigidum		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC230</b>		Centranthus ruber		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC231</b>		Cerastium fontanum ssp. vulgare		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	

<b>IMSC232</b>		Cerastium semidecandrum		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC233</b>		Chenopodium album		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC234</b>		Cirsium arvense		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC235</b>		Cirsium vulgare		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC236</b>		Conyza sumatrensis		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC237</b>		*Crambe maritima	3	Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	Notable species
<b>IMSC238</b>		Diplotaxis muralis		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC239</b>		Diplotaxis tenuifolia		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC240</b>		*Elytrigia atherica		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC241</b>		*Elytrigia juncea		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC242</b>		Elytrigia repens		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC243</b>		Erigeron glaucus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	2 patches established at base of sea wall
<b>IMSC244</b>		Erodium cicutarium		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC245</b>		*Eryngium maritimum		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	Several young plants seen, several about to flower. Notable species
<b>IMSC246</b>		Festuca rubra		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	

<b>IMSC247</b>		* <i>Glaucium flavum</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	Occasional, locally frequent. Notable species
<b>IMSC248</b>		<i>Helminthotheca echioides</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC249</b>		<i>Holcus lanatus</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC250</b>		* <i>Honckenya peploides</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	1 Patch, increasing. Notable species
<b>IMSC251</b>		<i>Hordeum murinum</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC252</b>		<i>Lactuca serriola</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC253</b>		<i>Lepidium didymum</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC254</b>		<i>Lepidium coronopus</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC255</b>		<i>Lobularia maritima</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC256</b>		<i>Lolium perenne</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC257</b>		<i>Malva sylvestris</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC258</b>		<i>Medicago arabica</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC259</b>		<i>Medicago lupulina</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC260</b>		<i>Papaver somniferum</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC261</b>		* <i>Parapholis incurva</i>		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	Small colony at base of sea wall (Nationally scarce species)



<b>IMSC262</b>		*Parapholis strigosa		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC263</b>		*Plantago coronopus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC264</b>		Plantago lanceolata		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC265</b>		*Plantago maritima	1	Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC266</b>		Poa annua		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC267</b>		Polygonum aviculare		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC268</b>		Rapistrum rugosum		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC269</b>		Rosa canina		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC270</b>		Rosa rugosa		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC271</b>		Rumex crispus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC272</b>		Rumex cristatus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC273</b>		Rumex obtusifolius		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC274</b>		*Salsola kali		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	Occasional to frequent. Notable species
<b>IMSC275</b>		Sambucus nigra		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC276</b>		Schedonorus arundinaceus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC277</b>		Senecio jacobaea		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	

<b>IMSC278</b>		Senecio squalidus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC279</b>		Senecio viscosus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC280</b>		Senecio vulgaris		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC281</b>		Sisymbrium officinale		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC282</b>		Sisymbrium orientale		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC283</b>		Sonchus arvensis		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC284</b>		Sonchus asper		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC285</b>		Sonchus oleraceus		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC286</b>		*Spergularia marina		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC287</b>		Stellaria media		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC288</b>		Taraxacum officinale s.l.		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC289</b>		Torilis nodosa		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC290</b>		Tragopogon porrifolius		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC291</b>		Trifolium repens		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC292</b>		*Tripleurospermum maritimum		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	Occasional. Notable species
<b>IMSC293</b>		Triticum aestivum		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	

<b>IMSC294</b>		Tussilago farfara		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC295</b>		Ulmus minor		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC296</b>		Veronica persica		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC297</b>		Vicia villosa ssp. varia		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC298</b>		Vulpia bromoides		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ9084	
<b>IMSC299</b>		*Vulpia fasciculata		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	Now abundant along complete stretch from Victoria Road eastwards. (Nationally scarce species). Notable species
<b>IMSC300</b>		Vulpia myuros		Tim Pyner	Tim Pyner	19/06/2012	Jubilee Beach	TQ8984	
<b>IMSC301</b>	Plant; Sea Bindweed	Calystegia soldanella		Jim Bishop	Tim Pyner	01/07/2012	Shoebury East Beach	TQ94-85	only site in S. essex

## Ponds and Lakes

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
PL123	Pond skater	<i>Gerris Lacustris</i>		J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		
PL124	Water boatman	<i>Notonectidae spp.</i>		J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		
PL125	Water hoglouse	<i>Asellus aquaticus</i>		J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		
PL126	Freshwater shrimp	<i>Atyidae spp.</i>		J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		
PL127	Common frog tadpoles	<i>Rana temporaria</i>		J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		
PL128	Newt tadpoles	<i>Lissotriton vulgaris</i>		J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		
PL129	Water snails			J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		

<b>PL130</b>	Common gnat larva	<i>Culex pipiens</i>		J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		
<b>PL131</b>	Cyclops	<i>Cyclops spp.</i>		J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		
<b>PL132</b>	Daphnia	<i>Daphnia spp.</i>		J Longhurst	J Longhurst	13/07/2012	Manchester Drive Allotments		

## Reedbeds and Marsh

No data recorded during 2012

## Rivers, Streams and Drainage Ditches

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
<b>RSDD29</b>	Fish; Three-spined Stickleback	<i>Gasterosteus aculeatus</i>		Roger Payne	Roger Payne	26.05.2012	Prittle Brook, Priory Park	TQ87-87	Several seen

## **Saltmarsh**

No data recorded during 2012

## **Seagrass beds**

No data recorded during 2012

## 4.2 HABITAT ACTION PLANS – TERRESTRIAL

### Ancient and Veteran Trees

No data recorded during 2012

### Arable Land and Field Margins

No data recorded during 2012

### Hedgerows

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
HR1	Insect; A soldier fly	Microchrysa polita	1	Roger Payne	Roger Payne	24.05.2012	Victoria Avenue	TQ87-86-	

## Natural Grasslands

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
NG668		Amblystegium serpens var. serpens		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
NG669		Barbula unguiculata		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
NG670		Barbula convoluta var. convoluta		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8987	
NG671		Brachythecium albicans		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
NG672		Brachythecium rutabulum		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
NG673		Bryum capillare var. capillare		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8987	Epiphyte
NG674		Bryum dichotomum		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
NG675		Bryum rubens		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
NG676		Ceratodon purpureus		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
NG677		Dicranella staphylina		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
NG678		Ephemerum minutissimum		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	



<b>NG679</b>		<i>Fissidens incurvus</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
<b>NG680</b>		<i>Fissidens taxifolius</i> var. <i>taxifolius</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
<b>NG681</b>		<i>Entosthodon fascicularis</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
<b>NG682</b>		<i>Grimmia pulvinata</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8987	Epiphyte
<b>NG683</b>		<i>Henediella macrophylla</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
<b>NG684</b>		<i>Kindbergia praelonga</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
<b>NG685</b>		<i>Orthotrichum diaphanum</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	Epiphyte
<b>NG686</b>		<i>Phascum cuspidatum</i> var. <i>cuspidatum</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
<b>NG687</b>		<i>Rhynchostegium confertum</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	Epiphyte
<b>NG688</b>		<i>Riccia glauca</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
<b>NG689</b>		<i>Syntrichia virescens</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	Epiphyte
<b>NG690</b>		<i>Tortula muralis</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8987	On rubble
<b>NG691</b>		<i>Tortula truncata</i>		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	

<b>NG692</b>		Weissia longifolia var. longifolia		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
<b>NG693</b>		Weissia brachycarpa var. obliqua		Tim Pyner	Tim Pyner	18/01/2012	Prittlewell Camp	TQ8887	
<b>NG694</b>		Acer campestre		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Some planted + native
<b>NG695</b>		Acer pseudoplatanus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG696</b>		Achillea millefolium		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG697</b>		Agrostis capillaris		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG698</b>		Agrostis stolonifera		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG699</b>		Alliaria petiolata		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG700</b>		Alopecurus pratensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG701</b>		Anagallis arvensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG702</b>		Anacamptis pyramidalis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG703</b>		Anisantha sterilis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG704</b>		Anthriscus sylvestris		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG705</b>		Aphanes arvensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG706</b>		Arabidopsis thaliana		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG707</b>		Arctium lappa		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG708</b>		Arrhenatheru m elatius		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG709</b>		Artemisia vulgaris		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG710</b>		Arum maculatum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG711</b>		Aster x salignus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG712</b>		Avena fatua		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG713</b>		Ballota nigra ssp. meridionalis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG714</b>		Bellis perennis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG715</b>		Betula pendula		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Some planted + native
<b>NG716</b>		Brachypodium sylvaticum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG717</b>		Bromus hordeaceus ssp. hordeaceus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG718</b>		Bryonia dioica		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG719</b>		Buddleja davidii		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG720</b>		Calamagrostis epigejos		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG721</b>		Cardamine hirsuta		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG722</b>		Carduus crispus ssp. multiflorus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG723</b>		Carex flacca		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG724</b>		Carex pendula		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG725</b>		<i>Centaurea nigra</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG726</b>		<i>Centaureum erythraea</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG727</b>		<i>Cerastium fontanum</i> ssp. <i>vulgare</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG728</b>		<i>Cerastium glomeratum</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG729</b>		<i>Chamerion angustifolium</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG730</b>		<i>Cirsium arvense</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG731</b>		<i>Cirsium vulgare</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG732</b>		<i>Clematis vitalba</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG733</b>		Conium maculatum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG734</b>		Convolvulus arvensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG735</b>		Conyza canadensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG736</b>		Conyza sumatrensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG737</b>		Cornus sanguinea ssp. sanguinea		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Some planted + native
<b>NG738</b>		Cornus sanguinea ssp. australis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG739</b>		Cortaderia selloana		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG740</b>		Corylus avellana		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG741</b>		<i>Crataegus monogyna</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Some planted + native
<b>NG742</b>		<i>Crataegus x media</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG743</b>		<i>Crataegus x persimilis</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted + regenerating
<b>NG744</b>		<i>Crepis capillaris</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG745</b>		<i>Crepis vesicaria</i> ssp. <i>taraxacifolia</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG746</b>		<i>Dactylis glomerata</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG747</b>		<i>Dactylorhiza fuchsii</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG748</b>		<i>Daucus carota</i> ssp. <i>carota</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	



<b>NG749</b>		Dipsacus fullonum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG750</b>		Dryopteris filix-mas		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG751</b>		Elytrigia repens		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG752</b>		Epilobium ciliatum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG753</b>		Epilobium hirsutum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG754</b>		Epilobium montanum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG755</b>		Epilobium parviflorum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG756</b>		Epilobium tetragonum ssp. tetragonum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG757</b>		Equisetum arvense		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG758</b>		Erigeron acris		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG759</b>		Euonymus europaeus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG760</b>		Eupatorium cannabinum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG761</b>		Euphorbia helioscopia		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG762</b>		Festuca rubra		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG763</b>		Foeniculum vulgare		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG764</b>		Fragaria vesca		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG765</b>		Fraxinus excelsior		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG766</b>		Galega officinalis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG767</b>		Galium aparine		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG768</b>		Geranium dissectum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG769</b>		Geranium molle		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG770</b>		Geum urbanum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG771</b>		Glechoma hederacea		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG772</b>		Hedera helix		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG773</b>		Helminthotheca a echiioides		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG774</b>		Heracleum sphondylium		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG775</b>		Hirschfeldia incana		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG776</b>		Holcus lanatus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG777</b>		Hyacinthoides x massartiana		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG778</b>		Hypericum hirsutum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG779</b>		Hypericum perforatum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG780</b>		Hypochaeris radicata		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG781</b>		Juncus bufonius		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG782</b>		Juncus conglomeratus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG783</b>		Juncus effusus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG784</b>		Juncus inflexus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG785</b>		Lactuca serriola		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG786</b>		Lactuca virosa		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG787</b>		Lamium album		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG788</b>		Lamium purpureum		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG789</b>		Lepidium draba		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG790</b>		Ligustrum vulgare		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG791</b>		Linaria vulgaris		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG792</b>		Lolium perenne		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG793</b>		Lotus corniculatus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG794</b>		Lotus tenuis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG795</b>		Malus hupehensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG796</b>		Malva sylvestris		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG797</b>		Matricaria chamomilla		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG798</b>		Medicago arabica		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG799</b>		Medicago lupulina		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG800</b>		Myosotis arvensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG801</b>		Myosotis sylvatica		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG802</b>		Odontites vernus ssp. serotinus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG803</b>		Papaver rheas		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG804</b>		Phleum bertolonii		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG805</b>		Picris hieracioides ssp. hieracioides		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG806</b>		Pilosella aurantiaca ssp. carpathicola		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG807</b>		Plantago coronopus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG808</b>		Plantago lanceolata		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG809</b>		Plantago major ssp. major		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG810</b>		Poa annua		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG811</b>		Poa trivialis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG812</b>		Polygonum aviculare		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	



<b>NG813</b>		Populus x canescens		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG814</b>		Potentilla reptans		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG815</b>		Prunella vulgaris		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG816</b>		Prunus cerasifera		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG817</b>		Prunus domestica ssp. domestica		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	some planted + neophyte
<b>NG818</b>		Prunus spinosa		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Some planted + native
<b>NG819</b>		Pulicaria dysenterica		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG820</b>		Pyrus communis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG821</b>		<i>Quercus robur</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Some planted + native
<b>NG822</b>		<i>Ranunculus bulbosus</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG823</b>		<i>Ranunculus repens</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG824</b>		<i>Reseda luteola</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG825</b>		<i>Ribes uva- crispa</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Some planted + archaeophyte
<b>NG826</b>		<i>Rosa canina</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Some planted + native
<b>NG827</b>		<i>Rosa rubiginosa</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG828</b>		<i>Rosa stylosa</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG829</b>		Rubus fruticosus s.l.		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG830</b>		Rumex conglomeratus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG831</b>		Rumex crispus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG832</b>		Rumex obtusifolius		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG833</b>		Rumex sanguineus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG834</b>		Sagina filiformis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG835</b>		Sagina procumbens		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG836</b>		Salix caprea		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG837</b>		<i>Salix cinerea</i> ssp. <i>oleifolia</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG838</b>		<i>Salix x fragilis</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG839</b>		<i>Salix x reichardtii</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG840</b>		<i>Salix viminalis</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG841</b>		<i>Sambucus nigra</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG842</b>		<i>Scorzoneroide s autumnalis</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG843</b>		<i>Senecio erucifolius</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG844</b>		<i>Senecio jacobaea</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG845</b>		Senecio vulgaris		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG846</b>		Sherardia arvensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG847</b>		Silene dioica		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG848</b>		Sinapis arvensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG849</b>		Sisymbrium officinale		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG850</b>		Solanum dulcamara		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG851</b>		Sonchus arvensis		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG852</b>		Sonchus asper		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG853</b>		<i>Sonchus oleraceus</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG854</b>		<i>Sorbus aucuparia</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG855</b>		<i>Sorbus intermedia</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG856</b>		<i>Sorbus torminalis</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG857</b>		<i>Stellaria media</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG858</b>		<i>Symphytum orientale</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG859</b>		<i>Taraxacum officinale</i> s.l.		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG860</b>		<i>Torilis japonica</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG861</b>		Tragopogon porrifolius		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG862</b>		Tragopogon pratensis ssp. minor		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG863</b>		Trifolium dubium		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG864</b>		Trifolium pratense		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG865</b>		Trifolium repens		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG866</b>		Trisetum flavescens		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG867</b>		Ulex europaeus		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG868</b>		Ulmus minor		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	

<b>NG869</b>		<i>Urtica dioica</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG870</b>		<i>Veronica arvensis</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG871</b>		<i>Veronica hederifolia ssp. lucorum</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG872</b>		<i>Veronica persica</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG873</b>		<i>Veronica serpyllifolia</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG874</b>		<i>Viburnum opulus</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	Planted
<b>NG875</b>		<i>Vicia cracca</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG876</b>		<i>Vicia hirsuta</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	



<b>NG877</b>		<i>Vicia sativa</i> ssp. <i>angustifolia</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG878</b>		<i>Vicia</i> <i>tetrasperma</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG879</b>		<i>Vulpia</i> <i>bromoides</i>		Tim Pyner	Tim Pyner		Prittlewell Camp	TQ8887 TQ8987	
<b>NG880</b>	Mammal; Bank Vole	<i>Clethrionomys</i> <i>glareolus</i>		SENHS (South Essex Natural History Soc.)	SENHS	25.03.2012	Shoebury Old Ranges	TQ92- 84-	
<b>NG881</b>	Insect; a squash bug	<i>Syromastes</i> <i>rhombus</i>		Roger Payne	Roger Payne	23.06.2012	Shoebury coastguard station	TQ92- 84-	scarce
<b>NG882</b>	Plant; Yellow Rattle	<i>Rhinanthus</i> <i>minor</i>		Roger Payne	Roger Payne	23.06.2012	Shoebury coastguard station	TQ92- 84-	scarce
<b>NG883</b>	Insect; a horse fly	<i>Tabanus</i> <i>autumnalis</i>		Roger Payne	Roger Payne	24.06.2012	Prittlewell Camp	TQ89- 87-	uncommon
<b>NG884</b>	Insect; a hoverfly	<i>Cheilosia</i> <i>latifrons</i>		Roger Payne	Roger Payne	24.06.2012	Prittlewell Camp	TQ89- 87-	uncommon
<b>NG885</b>	Insect; a hoverfly	<i>Cheilosia</i> <i>latifrons</i>		Roger Payne	Roger Payne	22.07.2012	Leigh Marsh	TQ82- 85-	uncommon

<b>NG886</b>	Insect; Brown- banded Carder Bee	<i>Bombus humilis</i>		Roger Payne	Roger Payne	22.07.2012	Leigh Marsh	TQ82- 85-	nationally scarce
<b>NG887</b>		<i>Achillea millefolium</i>		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG888</b>		<i>Agrostis stolonifera</i>		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG889</b>		<i>Ammophila arenaria</i>		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG890</b>		<i>Anagallis arvensis</i>		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG891</b>		<i>Anisantha sterilis</i>		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG892</b>		<i>Aphanes arvensis</i>		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG893</b>		<i>Arctium minus</i>		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG894</b>		<i>Atriplex prostrata</i>		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG895</b>		<i>Bellis perennis</i>		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	

<b>NG896</b>		Brassica nigra		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG897</b>		Bromus hordeaceus ssp. hordeaceus		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG898</b>		Bromus hordeaceus ssp. thominei		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	Rare in Essex
<b>NG899</b>		Capsella bursa-pastoris		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG900</b>		Cerastium semidecandru m		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG901</b>		Chenopodium album		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG902</b>		Cirsium arvense		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG903</b>		Convolvulus arvensis		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG904</b>		Elytrigia atherica		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG905</b>		Elytrigia juncea		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	

<b>NG906</b>		Erodium cicutarium		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG907</b>		Erodium moschatum		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG908</b>		Festuca ovina		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG909</b>		Festuca rubra		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG910</b>		Foeniculum vulgare		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG911</b>		Galium verum		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG912</b>		Geranium molle		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG913</b>		Hirschfeldia incana		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG914</b>		Hordeum murinum		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG915</b>		Hypochaeris radicata		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG916</b>		Koeleria macrantha		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	Rare in Essex

<b>NG917</b>		Lamium purpureum		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG918</b>		Leontodon saxatilis		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG919</b>		Lepidium coronopus		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG920</b>		Lepidium draba		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG921</b>		Lolium perenne		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG922</b>		Malva sylvestris		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG923</b>		Matricaria discoidea		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG924</b>		Medicago arabica		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG925</b>		Medicago lupulina		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG926</b>		Plantago coronopus		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG927</b>		Plantago lanceolata		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	

<b>NG928</b>		Plantago major ssp. major		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG929</b>		Poa annua		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG930</b>		Poa bulbosa		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	Nationally scarce. Rare in Essex
<b>NG931</b>		Poa pratensis		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG932</b>		Polygonum aviculare		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG933</b>		Raphanus raphanistrum		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG934</b>		Rumex acetosella		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG935</b>		Rumex crispus		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG936</b>		Rumex pulcher		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	Scarce in Essex
<b>NG937</b>		Sedum acre		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG938</b>		Senecio jacobaea		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	

<b>NG939</b>		Senecio squalidus		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG940</b>		Senecio vulgaris		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG941</b>		Silene latifolia ssp. alba		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG942</b>		Sinapis arvensis		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG943</b>		Sisymbrium officinale		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG944</b>		Sonchus asper		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG945</b>		Sonchus oleraceus		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG946</b>		Spergularia marina		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG947</b>		Taraxacum officinale s.l.		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG948</b>		Trifolium campestre		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG949</b>		Trifolium dubium		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	

<b>NG950</b>		Trifolium repens		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG951</b>		Trifolium scabrum		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	Rare in Essex
<b>NG952</b>		Trisetum flavescens		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG953</b>		Veronica arvensis		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG954</b>		Vulpia bromoides		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG955</b>		Riccia sorocarpa		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG956</b>		Sphaerocarpos michelii		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG957</b>		Syntrichia ruraliformis		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG958</b>		Tortula protobryoides		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	
<b>NG959</b>		Carex arenaria		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	Scarce in Essex
<b>NG960</b>		Saxifraga granulata		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	Scarce in Essex



<b>NG961</b>		Trifolium striatum		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	Scarce in Essex
<b>NG962</b>		Trifolium suffocatum		Tim Pyner	Tim Pyner	20/07/2012	Shoebry Common South	TQ9284	Nationally scarce. Rare in Essex

## Traditional Orchard

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
<b>TO38</b>	Acme		2	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO39</b>	D'Arcy Spice		2	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO40</b>	Discovery		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO41</b>	George Cave		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO42</b>	Monarch		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO43</b>	Pearl		2	Dave Hammond	Dave Hammond	2012	Leigh Allotments		

<b>TO44</b>	Queen		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO45</b>	Braintree Seedling		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO46</b>	Chelmsford Wonder		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO47</b>	Rosy Blenheim		2	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO48</b>	Seabrook's Red		3	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO49</b>	Maldon Wonder		2	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO50</b>	Ruby		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO51</b>	Red James Grieve		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		Now believed to be a Dutch red clone
<b>TO52</b>	Topaz		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO53</b>	Sturmer Pippin		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO54</b>	West View Seedling		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		

<b>TO55</b>	Doctor Harvey		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO56</b>	Edith Hopwood		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO57</b>	Excelsior		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO58</b>	Tun Apple		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO59</b>	Flame		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO60</b>	Opal		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO61</b>	Amber		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO62</b>	Sunburn		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO63</b>	Eros		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO64</b>	Garnet		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO65</b>	Montfort		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		

<b>TO66</b>	Nolan Pippin		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO67</b>	Woodford		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO68</b>	Grey Pippin		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO69</b>	Francis		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO70</b>	Stanway Seedling		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO71</b>	Waltham Abbey Seedling		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		Now believed to be Hamblings Seedling
<b>TO72</b>	Rosy		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO73</b>	Improved Fertility		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO74</b>	Johnny Mount Pear		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO75</b>	Suffolk Thorn		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		
<b>TO76</b>	Green Gage		1	Dave Hammond	Dave Hammond	2012	Leigh Allotments		

## Woodlands

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
W279	Dormouse	<i>Muscardinus avellanarius</i>	3	Sue Portsmouth	Karen Bigmore	Apr-12	Hadleigh Great Wood and Dodds Grove		
W280	Dormouse	<i>Muscardinus avellanarius</i>	15	Sue Portsmouth	Karen Bigmore	May-12	Hadleigh Great Wood and Dodds Grove		
W281	Dormouse	<i>Muscardinus avellanarius</i>	13	Sue Portsmouth	Karen Bigmore	Jun-12	Hadleigh Great Wood and Dodds Grove		
W282	Dormouse	<i>Muscardinus avellanarius</i>	22	Sue Portsmouth	Karen Bigmore	Jul-12	Hadleigh Great Wood and Dodds Grove		

<b>W283</b>	Dormouse	<i>Muscardinus avellanarius</i>	25	Sue Portsmouth	Karen Bigmore	Aug-12	Hadleigh Great Wood and Dodds Grove		
<b>W284</b>	Dormouse	<i>Muscardinus avellanarius</i>	35	Sue Portsmouth	Sue Portsmouth	Sep-12	Hadleigh Great Wood and Dodds Grove		
<b>W285</b>	Dormouse	<i>Muscardinus avellanarius</i>	14	Sue Portsmouth	Sue Portsmouth	Oct-12	Hadleigh Great Wood and Dodds Grove		
<b>W286</b>	Dormouse	<i>Muscardinus avellanarius</i>	3	Sue Portsmouth	Karen Bigmore	Nov-12	Hadleigh Great Wood and Dodds Grove		
<b>W287</b>	Cow Wheat	<i>Melampyrum pratense</i>		D G Down	D G Down	03/05/2012	Dodds Grove		Plants developing well
<b>W288</b>	Cow Wheat	<i>Melampyrum pratense</i>		D G Down	D G Down	22/05/2012	Dodds Grove		Plants developing well
<b>W289</b>	Cow Wheat	<i>Melampyrum pratense</i>		D G Down	D G Down	23/07/2012	Dodds Grove		Plants developing well
<b>W290</b>	Cow Wheat	<i>Melampyrum pratense</i>		D G Down	D G Down	30/07/2012	Dodds Grove		Plants very plentiful
<b>W291</b>	Heath Fritillary	<i>Mellicta athalia</i>	5	D G Down	D G Down	23/06/2012	Dodds Grove		Overcast

<b>W292</b>	Heath Fritillary	Mellicta athalia	11	D G Down	D G Down	23/06/2012	Hadleigh Great Wood		Overcast
<b>W293</b>	Heath Fritillary	Mellicta athalia	7	D G Down	D G Down	25/06/2012	Dodds Grove		Sunny intervals
<b>W294</b>	Heath Fritillary	Mellicta athalia	14	D G Down	D G Down	25/06/2012	Hadleigh Great Wood		Sunny intervals
<b>W295</b>	Heath Fritillary	Mellicta athalia	6	D G Down	D G Down	30/06/2012	Dodds Grove		Sunny spells - rather cold
<b>W296</b>	Heath Fritillary	Mellicta athalia	15	D G Down	D G Down	30/06/2012	Hadleigh Great Wood		Sunny spells - rather cold
<b>W297</b>	Heath Fritillary	Mellicta athalia	3	D G Down	D G Down	04/07/2012	Dodds Grove		Sunny spells - rather cold
<b>W298</b>	Heath Fritillary	Mellicta athalia	12	D G Down	D G Down	04/07/2012	Hadleigh Great Wood		Sunny spells - rather cold
<b>W299</b>	Heath Fritillary	Mellicta athalia	5	D G Down	D G Down	06/07/2012	Hadleigh Great Wood		Cloudy & cool
<b>W300</b>	Heath Fritillary	Mellicta athalia	1	D G Down	D G Down	11/07/2012	Dodds Grove & Hadleigh Great Wood		Sunshine at times during the count
<b>W301</b>	Insect; Small Tortoiseshell butterfly	Aglais urticae	1	N. Chambers	N. Chambers	07.07.2012	Belfairs Nature Reserve	TQ82-87-	scarce in Essex

<b>W302</b>	Insect; White Admiral butterfly	Limenitis camilla	3	Southend Ornithological Group (SOG)	SOG	13.07.2012	Belfairs Nature Reserve	TQ82- 87-	scarce in Essex
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## 4.3 HABITAT ACTION PLAN – URBAN

### Allotments

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
A19	Red Fox	<i>Vulpes vulpes</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
A20	Grey squirrel	<i>Sciurus carolinensis</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
A21	Brown rat	<i>Ratus Norvegicus</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
A22	Muntjac deer	<i>Muntiacus muntjak</i>		J Longhurst	Roger Payne	11/02/2012	Leigh Allotments		Footprints in snow
A23	Wood pigeon	<i>Coluba Palumbus</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
A24	Collared Dove	<i>Streptopelia decaocto</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
A25	Magpie	<i>Pica pica</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
A26	Jay	<i>Garrulus glandarius</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		

<b>A27</b>	Black bird	<i>Turdus merula</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A28</b>	Starling	<i>Sturnus vulgaris</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A29</b>	House Sparrow	<i>Passer domesticus</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A30</b>	Great tit	<i>Parus major</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A31</b>	Blue tit	<i>Cyanistes caeruleus</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A32</b>	Long-tailed tit	<i>Aegithalos caudatus</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A33</b>	Robin	<i>Erithacus rubecula</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A34</b>	Wren	<i>Troglodytes troglodytes</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A35</b>	Dunnock	<i>Prunella modularis</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A36</b>	Carrion Crow	<i>Corvus corone</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A37</b>	Jackdaw	<i>Corvus monedula</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		

<b>A38</b>	Fieldfare	<i>Turdus pilaris</i>		J Longhurst	J Longhurst	11/02/2012	Leigh Allotments		
<b>A39</b>	Redwing	<i>Turdus iliacus</i>		J Longhurst	J Longhurst	11/02/2012	Leigh Allotments		
<b>A40</b>	Chiffchaff	<i>Phylloscopus collybita</i>		J Longhurst	J Longhurst	04/05/2012	Leigh Allotments		
<b>A41</b>	Blackcap	<i>Sylvia atricapilla</i>	2	J Longhurst	J Longhurst	06/05/2012	Leigh Allotments		Male and female
<b>A42</b>	Peregrine Falcon	<i>Falco peregrinus</i>	1	J Longhurst	J Longhurst	29/04/2012 19/05/2012 09/06/2012	Leigh Allotments		
<b>A43</b>	White throat	<i>Sylvia communis</i>		J Longhurst	J Longhurst	09/06/2012	Leigh Allotments		
<b>A44</b>	Sparrow hawk	<i>Accipiter Nisus</i>		J Longhurst	J Longhurst	15/06/2012	Leigh Allotments		
<b>A45</b>	Black redstart	<i>Phoenicurus ochruros</i>		John Sheehy	John Sheehy	early 2012	Leigh Allotments		
<b>A46</b>	Common frog	<i>Rana temporaria</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A47</b>	Common toad	<i>Bufo bufo</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		
<b>A48</b>	Slow worm	<i>Anguis fragilis</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		

<b>A49</b>	Marbled white	<i>Melanargia galathea</i>		Dave Hammond	Dave Hammond	15/07/2012	Leigh Allotments		
<b>A50</b>	Peacock	<i>Pyrus communis</i>		J Longhurst	J Longhurst	29/07/2012	Leigh Allotments		
<b>A51</b>	Gatekeeper	<i>Maniola tithonus</i>	50+	J Longhurst	J Longhurst	20/08/2012	Leigh Allotments		
<b>A52</b>	Yellow meadow ants	<i>Lasius flavus</i>		J Longhurst	J Longhurst	2012	Leigh Allotments		Hills found throughout the year

## Churchyards and Cemeteries

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
<b>CC2</b>	Insect; An Issid bug	Issus coleoptratus	1	Roger Payne	Roger Payne	21/04/2012	North Road Burial Ground	TQ87-86	scarce

## Gardens in Urban Areas

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
GUA18	Insect; Gypsy Moth	Lymantria dispar		Roger Payne	Roger Payne	11.07.2012	Carmania Close, Shoebury	TQ93- 86-	rare
GUA19	Insect; Small Ranunculus moth	Hecatera dysodea		Roger Payne	Roger Payne	21.08.2012	Central Museum, Victoria Ave.	TQ88- 86-	uncommon
GUA20	Insect; Long-tailed Blue	Lampides boeticus	1	Paul Knutkins	Roger Payne	29.10.2012	Manchester Drive, found alive in house	TQ84- 86-	very rare migrant

## Public Parks and Amenity Open Spaces

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
PPOS482	Fungus; a Bolete	Bolletus luridus		Pat Wortley	John Skinner	24.06.2012	Burlescoombe Square	TQ91-86	uncommon

<b>PPOS483</b>	Fungus: Daisy Earthstar	Geastrum floriforme			John Skinner	23.10.2012	Carnarvon Road, shrub border	TQ87-86-	rare
<b>PPOS484</b>	Bird; Grey Wagtail	Motacilla cinerea		Roger Payne	Roger Payne	13.03.2012	Priory Park	TQ87-87-	
<b>PPOS485</b>	Insect; A solitary wasp	Stigmus pendulus	a few	Roger Payne	Roger Payne	26.05.2012	Priory Park	TQ87-87-	scarce
<b>PPOS486</b>	Insect; A solitary wasp	Pemphredon lugubris		Roger Payne	Roger Payne	26.05.2012	Priory Park	TQ87-87-	
<b>PPOS487</b>	Insect; a ground beetle	Stenolophus teutonius	1	Roger Payne	Roger Payne	30.05.2012	Priory Park	TQ87-87-	nationally scarce
<b>PPOS488</b>	Insect; Yarrow Plume Moth	Gillmeria pallidactyla	1	Roger Payne	Roger Payne	12.07.2012	Priory Park	TQ87-87-	uncommon
<b>PPOS489</b>	Insect; an ant	Lasius brunneus	1	Roger Payne	Roger Payne	12.07.2012	Priory Park	TQ87-87-	nationally scarce
<b>PPOS490</b>	Insect; a hoverfly	Volucella zonaria	1	Roger Payne	Roger Payne	17.07.2012	Priory Park	TQ87-87-	nationally scarce
<b>PPOS491</b>	Insect; a hoverfly	Volucella inanis	2	Roger Payne	Roger Payne	17.07.2012	Priory Park	TQ87-87-	nationally scarce
<b>PPOS492</b>	Insect; a hoverfly	Cheilosia caerulescens	1	Roger Payne	Roger Payne	17.07.2012	Priory Park	TQ87-87-	first Essex record
<b>PPOS493</b>	Insect; a Megamarinid fly	Megamarina dolum	1	Roger Payne	Roger Payne	17.07.2012	Priory Park	TQ87-87-	uncommon
<b>PPOS494</b>	Insect; a solitary bee	Heriades truncorum	1	Roger Payne	Roger Payne	17.07.2012	Priory Park	TQ87-87-	nationally scarce

<b>PPOS495</b>	Insect; a hoverfly	<i>Epistrophe grossulariae</i>	1	Roger Payne	Roger Payne	22.08.2012	Priory Park	TQ87-87-	uncommon
<b>PPOS496</b>	Insect; a hoverfly	<i>Helophilus trivittatus</i>	1	Roger Payne	Roger Payne	22.08.2012	Priory Park	TQ87-87-	uncommon
<b>PPOS497</b>	Insect; a Soldier Fly	<i>Eupachygaster tarsalis</i>	1	Roger Payne	Roger Payne	22.08.2012	Priory Park	TQ87-87-	nationally scarce
<b>PPOS498</b>	Insect; a solitary bee	<i>Colletes hederiae</i>	several	Roger Payne	Roger Payne	14.10.2012	Western Esplanade, cliffs	TQ883851	rare
<b>PPOS499</b>	Insect; Southern Oak Bush-cricket	<i>Meconema meridionale</i>	1	Roger Payne	Roger Payne	07.11.2012	Priory Park	TQ87-87-	recent immigrant
<b>PPOS500</b>	Ring Ouzel	<i>Turdus torquatus</i>	1	Robert Dobinson	Robert Dobinson	01/11/2012	Southchurch Park East		

## Roadsides and Verges

No data recorded during 2012

## 4.4 SPECIES ACTION PLAN – BIRDS

### Dark-Bellied Brent Goose

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
DBBG6	Brent Goose	<i>Branta bernicla</i>	2100	G.Ryland	G.Ryland	21/10/2012	TwoTree Island	TQ826850	This was the peak count, numbers signifacntly reduced from previous years (normally 5000 - 6000). It looks as if the the Zostera beds on which the Geese feed are dissappearing. The main reason would appear to be the continuous dredging that is taking place in the channels.

### Garden Birds

No data recorded during 2012



## Skylark

Record number	Common name	Scientific name	Quantity	Name who witnessed the species	Name who verified the species	Date	Location	Grid ref	Comment
S5	Skylark	<i>Alauda arvensis</i>	6	D G Down	D G Down	20/06/2012	Two Tree Island	TQ 818 848	One nest found
S6	Skylark	<i>Alauda arvensis</i>	7	D G Down	D G Down	14/07/2012	Two Tree Island	TQ 818 848	Many recorded
S7	Skylark	<i>Alauda arvensis</i>	4	J.Wright	J.Wright	05/05/2012	TwoTree Island	TQ818847	

## 4.5 SPECIES ACTION PLAN – INVERTEBRATES

### Heath Fritillary Butterfly

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
HF57	Heath Fritillary	Mellicta athalia	5	D G Down	D G Down	23/06/2012	Dodds Grove		Overcast
HF58	Heath Fritillary	Mellicta athalia	11	D G Down	D G Down	23/06/2012	Hadleigh Great Wood		Overcast
HF59	Heath Fritillary	Mellicta athalia	7	D G Down	D G Down	25/06/2012	Dodds Grove		Sunny intervals
HF60	Heath Fritillary	Mellicta athalia	14	D G Down	D G Down	25/06/2012	Hadleigh Great Wood		Sunny intervals
HF61	Heath Fritillary	Mellicta athalia	6	D G Down	D G Down	30/06/2012	Dodds Grove		Sunny spells - rather cold
HF62	Heath Fritillary	Mellicta athalia	15	D G Down	D G Down	30/06/2012	Hadleigh Great Wood		Sunny spells - rather cold
HF63	Heath Fritillary	Mellicta athalia	3	D G Down	D G Down	04/07/2012	Dodds Grove		Sunny spells - rather cold
HF64	Heath Fritillary	Mellicta athalia	12	D G Down	D G Down	04/07/2012	Hadleigh Great Wood		Sunny spells - rather cold
HF65	Heath Fritillary	Mellicta athalia	5	D G Down	D G Down	06/07/2012	Hadleigh Great Wood		Cloudy & cool
HF66	Heath Fritillary	Mellicta athalia	1	D G Down	D G Down	11/07/2012	Dodds Grove & Hadleigh Great Wood		Sunshine at times during the count

## Shrill Cader Bee

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
SCB4	Shrill Cader Bee	<i>Bombus Sylvorum</i>	3	Roger Payne	Roger Payne	22/07/2012	Leigh Marsh near sea wall		

## Stag Beetle

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
SB2	Stag Beetle	<i>Lucanus cervus</i>	1	Louise Morris	Louise Morris	15/06/2012	Victoria Avenue		On a wall in Victoria Avenue. Did not look in best health

## 4.6 SPECIES ACTION PLAN - MAMMALS

### Bats

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
B6	Common Pipistrelle Bat	<i>Pipistrellus pipistrellus</i>		John Dobson	John Dobson	24/08/2012	Priory Park		A few observed, not counted
B7	Soprano Pipistrelle Bat	<i>Soprano pipistrelle</i>		John Dobson	John Dobson	24/08/2012	Priory Park		A few observed, not counted
B8	Pipistrelle Bat	<i>Pipistrellus pipistrellus</i>	150+	M.Bridges	P.Griggs	31/08/2012	TwoTree Island	TQ830853	
B9	Noctule Bat	<i>Nyctalus noctula</i>	20+	M.Bridges	P.Griggs	31/08/2012	TwoTree Island	TQ830853	

### Cetaceans

No data recorded during 2012

## Dormouse

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
D32	Dormouse	<i>Muscardinus avellanarius</i>	3	Sue Portsmouth	Karen Bigmore	Apr-12	Hadleigh Great Wood and Dodds Grove		
D33	Dormouse	<i>Muscardinus avellanarius</i>	15	Sue Portsmouth	Karen Bigmore	May-12	Hadleigh Great Wood and Dodds Grove		
D34	Dormouse	<i>Muscardinus avellanarius</i>	13	Sue Portsmouth	Karen Bigmore	Jun-12	Hadleigh Great Wood and Dodds Grove		
D35	Dormouse	<i>Muscardinus avellanarius</i>	22	Sue Portsmouth	Karen Bigmore	Jul-12	Hadleigh Great Wood and Dodds Grove		
D36	Dormouse	<i>Muscardinus avellanarius</i>	25	Sue Portsmouth	Karen Bigmore	Aug-12	Hadleigh Great Wood and Dodds Grove		
D37	Dormouse	<i>Muscardinus avellanarius</i>	35	Sue Portsmouth	Sue Portsmouth	Sep-12	Hadleigh Great Wood and Dodds Grove		
D38	Dormouse	<i>Muscardinus avellanarius</i>	14	Sue Portsmouth	Sue Portsmouth	Oct-12	Hadleigh Great Wood and Dodds Grove		
D39	Dormouse	<i>Muscardinus avellanarius</i>	3	Sue Portsmouth	Karen Bigmore	Nov-12	Hadleigh Great Wood and Dodds Grove		

## Water Vole

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
WV9	Water Vole	<i>Arvicola terrestris</i>	1	M.Bridges	M.Bridges	02/12/2012	TwoTree Island	Borrowdyke	TQ827850

## 4.7 SPECIES ACTION PLAN - OTHER VERTEBRATES

### Great Crested Newts

No data recorded during 2012

### Reptiles

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
R15	Adder	<i>Vipera berus</i>	1	J.Bailey	J.Bailey	10/06/2012	TwoTree Island	TQ820850	
R16	Common Lizard	<i>Lacerta vivipara</i>	2	M.Bridges	M.Bridges	09/09/2012	TwoTree Island	TQ827850	

## **4.8 SPECIES ACTION PLAN – PLANTS AND TREES**

### **Black Poplar**

No data recorded during 2012

### **Deptford Pink**

No data recorded during 2012



## SECTION 5. Summary of 2011-2012 Biodiversity Action Plan 'Actions'

<b>AQUATIC</b>	<b>2011</b>	<b>2012</b>
BRACKISH LAGOONS 8.1 PROTECTION OF THIS HABITAT	1	1
BRACKISH LAGOONS 8.2 RAISE AWARENESS	5	1
INTERTIDAL MUDFLATS 8.1 PROTECT & MAINTAIN HABITAT	0	0
INTERTIDAL MUDFLATS 8.2 MONITOR THIS HABITAT	0	2
INTERTIDAL MUDFLATS 8.3 RAISE AWARENESS	0	2
PONDS & LAKES 8.1 PROTECT AND EXTEND HABITAT	1	2
PONDS & LAKES 8.2 IMPROVE THIS HABITAT	1	1
PONDS & LAKES 8.3 INCREASE THIS HABITAT	0	1
PONDS & LAKES 8.4 MONITOR THIS HABITAT	0	0
PONDS & LAKES 8.5 RAISE AWARENESS	1	0
REEDBED & MARSH 8.1 PROTECT & MAINTAIN HABITAT	0	2
REEDBED & MARSH 8.2 INCREASE HABITAT EXTENT	1	1
REEDBED & MARSH 8.3 RAISE AWARENESS	0	0
RIVERS STREAMS & DITCHES 8.1 PROTECTION OF THIS HABITAT	0	1
RIVERS STREAMS & DITCHES 8.2 INCREASE THIS HABITAT	0	0
RIVERS STREAMS & DITCHES 8.3 MONITOR THIS HABITAT	0	0
RIVERS STREAMS & DITCHES 8.4 RAISE AWARENESS	0	0
SALTMARSH 8.1 PROTECTION OF THIS HABITAT	1	2
SALTMARSH 8.2 MONITOR THIS HABITAT	0	0
SALTMARSH 8.3 INCREASE HABITAT EXTENT	1	2
SALTMARSH 8.4 RAISE AWARENESS	0	1
SEAGRASS BEDS 8.1 PROTECTION OF THIS HABITAT	0	0
SEAGRASS BEDS 8.2 MONITOR THIS HABITAT	0	0
SEAGRASS BEDS 8.3 RAISE AWARENESS	0	0
<b>Total</b>	<b>12</b>	<b>19</b>
<b>TERRESTRIAL</b>	<b>2011</b>	<b>2012</b>
ANCIENT & VETERAN TREES 8.1 SURVEY CURRENT STOCK	0	0
ANCIENT & VETERAN TREES 8.2 PROTECT THIS HABITAT	0	0
ANCIENT & VETERAN TREES 8.3 RAISE AWARENESS	0	0
ARABLE LAND & FIELD MARGINS 8.1 PROTECT THIS HABITAT	0	0
ARABLE LAND & FIELD MARGINS 8.2 RAISE AWARENESS	0	0
HEDGEROWS 8.1 PROTECT THIS SPECIES FROM LOSS	0	0
HEDGEROWS 8.2 ID ANCIENT OR SPECIES RICH	0	0
HEDGEROWS 8.3 INCREASE THIS HABITAT	0	0
HEDGEROWS 8.4 RAISE AWARENESS	0	2
NATURAL GRASSLAND 8.1 MAINTAIN CURRENT LEVEL	2	2
NATURAL GRASSLAND 8.2 IDENTIFICATION SITES	2	2
NATURAL GRASSLAND 8.3 PREVENT DEGRADATION	1	4
NATURAL GRASSLAND 8.4 ENCOURAGE NEW AREAS	1	0
NATURAL GRASSLAND 8.5 RAISE AWARENESS	1	3
TRADITIONAL ORCHARD 8.1 PROTECT THIS HABITAT	2	5
TRADITIONAL ORCHARD 8.2 INCREASE EXTENT OF HABITAT	1	0
TRADITIONAL ORCHARD 8.3 RAISE AWARENESS	0	4
WOODLAND 8.1 MAINTAIN & PROTECT THIS HABITAT	12	2

WOODLAND 8.2 INCREASE THIS HABITAT	0	0
WOODLAND 8.3 MONITOR ITS STATUS	1	0
WOODLAND 8.4 RAISE AWARESS	0	1
<b>Total</b>	<b>23</b>	<b>25</b>
<b>URBAN</b>	<b>2011</b>	<b>2012</b>
ALLOTMENTS 8.1 PROTECT THIS HABITAT	0	1
ALLOTMENTS 8.2 ENHANCE WILDLIFE VALUE OF SITE	1	0
ALLOTMENTS 8.3 INCREASE THE NUMBER OF ALLOTMENT HOLDERS	0	0
ALLOTMENTS 8.4 RAISE AWARENESS	0	3
CHURCHYARDS & CEMETERIES 8.1 PROTECT THIS SPECIES	0	0
CHUCHYARDS & CEMETERIES 8.2 INCREASE WILDLIFE VALUE OF SITE	0	0
CHURCHYARDS & CEMETERIES 8.3 RAISE AWARENESS	0	1
GARDENS IN URBAN AREAS 8.1 INCREASE WILDLIFE VALUE	1	5
GARDENS IN URBAN AREAS 8.2 RAISE AWARENESS	1	5
PARKS & OPEN SPACES 8.1 INCREASE WILDLIFE VALUE OF SITE	0	0
PARKS & OPEN SPACES 8.2 PROTECT KEY ON SITE SPECIES	0	0
PARKS & OPEN SPACES 8.3 RAISE AWARENESS	2	17
ROADSIDE & VERGES 8.1 ID NOTABLE SPECIES	0	0
ROADSIDE & VERGES 8.2 INCREASE WILDLIFE VALUE OF SITE	0	0
ROADSIDE & VERGES 8.3 RAISE AWARENESS	0	0
<b>Total</b>	<b>5</b>	<b>32</b>
<b>BIRDS</b>	<b>2011</b>	<b>2012</b>
DARK BELLIED BRENT GOOSE 8.1 PROTECTION OF THIS SPECIES	0	0
DARK BELLIED BRENT GOOSE 8.2 RAISE AWARENESS	0	0
GARDEN BIRDS 8.1 MAINTAIN & INCREASE POPULTATIONS	0	0
GARDENS BIRDS 8.2 RECORDING THIS SPECIES	0	0
GARDENS BIRDS 8.3 RAISE AWARENESS	0	0
SKYLARK 8.1 PROTECT THIS SPECIES	0	0
SKYLARK 8.2 MONITOR BREEDING SITES	0	0
SKYLARK 8.3 INCREASE SPECIES NUMBERS	0	1
SKYLARK 8.4 RAISE AWARENESS	0	1
<b>Total</b>	<b>0</b>	<b>2</b>
<b>INVERTEBRATES</b>	<b>2011</b>	<b>2012</b>
HEATH FRITILLARY BUTTERFLY 8.1 MAINTAIN BELFAIRS POPULATION	11	4
HEATH FRITILLARY BUTTERFLY 8.2 MONITOR POPULATIONS IN BELFAIRS	0	0
HEATH FRITILLARY BUTTERFLY 8.3 INCREASE THE POPULATION	0	4
HEATH FRITILLARY BUTTERFLY 8.4 RAISE AWARENESS	0	0
SHRILL CARDER BEE 8.1 MAINTAIN CURRENT RANGE OF SPECIES	0	1
SHRILL CARDER BEE 8.2 MONITOR POPULATIONS	0	1
SHRILL CARDER BEE 8.3 RAISE AWARENESS	0	1
STAG BEETLE 8.1 MAINTAIN CURRENT POPULATIONS	0	2
STAG BEETLE 8.2 SURVEY & MONTITOR THIS SPECIES	0	0
STAGE BEETLE 8.3 INCREASE POULATION STATUS	1	0
STAGE BEETLE 8.4 RAISE AWARENESS	0	2
<b>Total</b>	<b>12</b>	<b>15</b>

<b>MAMMALS</b>	<b>2011</b>	<b>2012</b>
BATS 8.1 IDENTIFY CURRENT POPULATION DISTRIBUTION	0	0
BATS 8.2 MAINTAIN CURRENT POPULATION	0	0
BATS 8.3 ENCOURAGE INCREASE IN BAT SPECIES	0	0
BATS 8.4 RAISE AWARENESS	0	0
CETACEANS 8.1 MAINTAIN CURRENT POPULATION	0	0
CETACEANS 8.2 RECORD THESE SPECIES	0	0
CETACEANS RAISE AWARENESS	0	0
DORMOUSE 8.1 IDENTIFY CURRENT DISTRUBTION	1	3
DORMOUSE 8.2 HALT FURTHER DECLINE OF THIS SPECIES	0	3
DORMOUSE 8.3 ENCOURAGE THE INCREASE OF SPECIES BY HABITAT CREATION	0	0
DORMOUSE 8.4 RAISE AWARENESS	1	3
WATERVOLE 8.1 IDENTIFY & PROTECT THIS SPECIES	2	0
WATERVOLE 8.2 INCREASE SPECIES POPULATION RANGE	0	1
WATERVOLE 8.3 MONITOR POPULATION STATUS	0	1
WATERVOLE 8.4 RAISE AWARENESS	0	0
<b>Total</b>	<b>4</b>	<b>11</b>
<b>OTHER VERTEBRATES</b>	<b>2011</b>	<b>2012</b>
GREAT CRESTED NEWT 8.1 IDENTIFY CURRENT POPULATION DISTRIBUTION	0	0
GREAT CRESTED NEWT 8.2 MONITOR THE POPULATION	0	0
GREAT CRESTED NEWT 8.3 HALT FURTHER DECLINES IN POPULATION	0	0
GREAT CRESTED NEWT 8.4 ENCOURAGE INCREASED POPULATION DISTRIBUTION	0	0
REPTILE 8.1 MAINTAIN CURRENT EXTENT OF POPULATION	0	1
REPTILE 8.2 MONITOR POPULATION	0	0
REPTILE 8.3 ENCOURAGE INCREASED POPULATION	0	2
REPTILE 8.4 RAISE AWARENESS	0	1
<b>Total</b>	<b>0</b>	<b>4</b>
<b>PLANTS</b>	<b>2011</b>	<b>2012</b>
BLACK POPLAR 8.1 PROTECTING OF EXISTING SPECIES	0	0
BLACK POPLAR 8.2 INCREASE THE NUMBER OF THIS SPECIES	0	0
BLACK POPLAR 8.3 RAISE AWARENESS	0	0
DEPTFORD PINK 8.1 MAINTAIN EXISTING POPULATION	0	0
DEPTFORD PINK 8.2 ENCOURAGE INCREASE OF POPULATION	1	3
DEPTFORD PINK 8.3 RAISE AWARENESS	0	0
<b>Total</b>	<b>1</b>	<b>3</b>

-END-