

Southend-on-Sea

Local Biodiversity Action Plan Annual Report for 2009

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



Contents Page

1. Southend's Local Biodiversity Action Plan (BAP) Introduction	3
2. 2009 Biodiversity Action Plan Key Points	4
3. Meeting the Local Biodiversity Action Plan in 2009	5
3.1 Habitat Action Plans - Aquatic	5
3.2 Habitat Action Plans - Terrestrial	10
3.3 Habitat Action Plans - Urban	13
3.4 Species Action Plans - Birds	17
3.5 Species Action Plans - Invertebrates	18
3.6 Species Action Plans - Mammals	19
3.7 Species Action Plans - Other Vertebrates	21
3.8 Species Action Plans - Plants and Trees	22
4. Biodiversity Action Plan 2009 Species Records	23
4.1 Habitat Action Plans - Aquatic	23
4.2 Habitat Action Plans - Terrestrial	29
4.3 Habitat Action Plans - Urban	37
4.4 Species Action Plans - Birds	47
4.5 Species Action Plans - Invertebrates	48
4.6 Species Action Plans - Mammals	50
4.7 Species Action Plans - Other Vertebrates	52
5. Summary of Southend's Local Biodiversity Actions met during 2009	54

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 11th 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/content.asp?content=2322>

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 2009.
- The second section of this report is a record of BAP data collected in 2009.

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 (2003 – 2009) can also be found on Southend Council's web site.

<http://www.southend.gov.uk/content.asp?section=343&content=3607>

Stephanie Campbell
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 2009. 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 2009.
- **Section 5** is a short summary that compares the total number of *Actions* that have been met for each Action Plan during 2009.

2009 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 2009 include:-

- Brackish Lagoon
- Intertidal mudflat and sandflats
- Saltmarsh
- Natural Grassland
- Traditional Orchard
- Woodland
- Public parks and Amenity Open Spaces
- Churchyards and Cemeteries
- Watervole

Those Action Plans that did not receive any recorded actions during 2009 include:-

- Ponds and Lakes
- Ancient and Veteran Trees
- Hedgerows
- Great Crested Newt
- Reptile
- Cetaceans
- Black Poplar
- Deptford Pink

Groups who are considering wildlife conservation projects or activities during 2010 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 2010 report.

SECTION 3. Meeting the Local Biodiversity Action Plan in 2009

The following list identifies those objectives met during 2009.

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 Effectuated (m ²)	Objective
Southend-on-Sea Borough Council Planning Department	Involved in response to Thames Estuary 2100 project, and improving guidance for PPS-25 which aims to reduce the impact of flooding from new developments on the sea front in face of climate change and flood risk change. The estuary habitat is an important natural sea defence	Southend Seafront	Jun-09	-	-	-	8.1
Essex Wildlife Trust + Volunteers	Annual Avocet Egg Watch (to protect eggs which were stolen in 2004 & 2005). There were more than 20 chicks recorded.	Two Tree Island	20.4.09 - 5.6.09	-	70+	-	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 Effectuated (m ²)	Objective
Southend-on-Sea Borough Council Planning	Involved in response to Thames Estuary 2100 project, and improving guidance for PPS-25 which aims to reduce the impact of flooding from new developments on the sea front in face of climate change and flood risk change. The estuary habitat is an important natural sea defence	Southend Seafront	June-09	-	-	-	8.1
John Skinner, Southend Museum	Led a beach walk for South Essex Natural History Society at Shoeburyness East Beach	East Beach	9th July 2009	1	15	-	8.3
Kent and Essex Sea Fisheries Committee.	Annual survey of cockle stocks. This has maintained cockle stocks at a sustainable level and made it possible to permit the continuance of the locally important cockle fishery. Surveys and management of the fishery helps to protect the intertidal mudflats, sand flats and seagrass beds.	Southend, Shoebury intertidal mudflats and Maplin Sands	April to Dec 2009	0	0	13.8 km ²	8.2
Roger Payne, Southend Museum	Led a beach walk with Milton Community Partnership (mostly young families), collecting and looking at marine life of the shore and mudflats.	Westcliff	3rd August 2009	20+	20	-	8.3
John Skinner, Southend Museum	Illustrated display about Leigh Fisheries with exhibits from the museum's collections, at Leigh Fishing Festival.	Leigh Wharf	23rd August 2009	100+	100+	-	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

No recorded actions during 2009

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	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Mark Bridges, Two Tree Island Warden & Volunteers	Reed clearance and planting in new areas. Channels cleared for water vole and reed nesting birds, area of new reedbed established.	Two Tree Island Nature Reserve	17.6.2009, 11.10.2009, 8.11.2009	-	17	1000	8.1, 8.2

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	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Essex Wildlife Trust Darren Tansley	Essex Otter Survey pulished but none of the rivers or drainage ditches in Southend were surveyed	n/a	Feb-09	n/a	n/a	n/a	-
Ginette Braithwaite, Groundwork South Essex Volunteers	Litter pick	Prittle Brook - Manchester Drive Area	11/03/09	17	20	2,000	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	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Southend-on-Sea Borough Council Planning	Involved in response to Thames Estuary 2100 project, and improving guidance for PPS-25 which aims to reduce the impact of flooding from new developments on the sea front in face of climate change and flood risk change. The estuary habitat is an important natural sea defence	Southend Seafront	Jun-09	-	-	-	8.1
Roger Payne, Southend Museum	Wildlife recording in Two Tree Island Nature Reserve	Two Tree Island Nature Reserve	21.04.09	none	none	-	8.2
Mark Bridges Two Tree Island Warden & Volunteers	Making and placing faggots in saltmarsh, to increase and stabilise Saltmarsh	Two Tree Island	5.4.09, 10.5.09, 13.5.09, 24.6.09, 28.6.09	-	30	5000	8.1, 8.3
Mark Bridges Two Tree Island Warden & Volunteers	Open Day & guided walks. Introduction to wildlife, conservation and Two Tree Island in particular, to general public	Two Tree Island	17.5.09	-	35	400	8.4
Mark Bridges Two Tree Island Warden & Volunteers	Little Egret roost watch. Education of general public	Two Tree Island	14.8.09	7	55	-	8.2, 8.4
Mark Bridges Two Tree Island Warden & Volunteers	Wildlife Watch Event (Children)	Two Tree Island	20.6.09	-	4	-	8.4
Mark Bridges Two Tree Island Warden & Volunteers	Guided walks	Two Tree Island	19.4.09, 24.10.09	-	19	-	8.4

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

Name / Department	Brief Description of Activity	Location	Date	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Kent and Essex Sea Fisheries Committee.	Annual survey of cockle stocks by Kent and Essex Sea Fisheries Committee. This has maintained cockle stocks at a sustainable level and made it possible to permit the continuance of the locally important cockle fishery. Surveys and management of the fishery helps to protect the intertidal mudflats and sand flats and seagrass beds.	Southend, Shoebury Intertidal Mudflats and Maplin Sands	April to Dec 2009	0	0	13.8 km ²	8.2

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 2009

Arable Land and Field Margins

Objective 8.1 Protection of this habitat

Objective 8.2 Raise awareness

No recorded actions during 2009

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

No recorded actions during 2009

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	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Mark Bridges, Two Tree Island Warden & Volunteers	Cutting and clearing meadows to help wildflowers	Two Tree Island Nature Reserve	11.1.09, 8.3.09, 5.4.09, 27.5.09, 3.6.09, 14.6.09, 12.7.09, 13.9.09	-	12	4000	8.1, 8.4
Roger Payne, Southend Museum	Exhibited display on the wildlife of Belton Hills Local Nature Reserve to the 'Good for Leigh' festival. Raise awareness, answered questions etc.	Leigh on Sea Community Centre	7th Feb 2009	none	none	-	8.5
Roger Payne, Southend Museum	Led a visit of members from South Essex Natural History Society to Shoeburyness Old Ranges Nature Reserve. Recording and awareness-raising.	Shoeburyness Old Ranges Nature Reserve	19th April 2009	none	12	-	8.2, 8.5
Ginette Braithwaite, Groundwork South Essex Volunteers	Clearing invasive species eg Alexandra weeds and litter picking	Belton Hills Leigh-on-Sea	18th June 2009	0	14	1,000	8.1
Roger Payne, Southend Museum	Wildlife recording	Shoeburyness Old Ranges Nature Reserve	5th Sept 2009	0	0	-	8.2

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 of Where Activity Took Place	Date of Activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area Effected (m ²)	Objective
Ron Bates, St Laurence Orchard	St Laurence Website Project developed: funded through the Breathing Spaces initiative: http://www.scrumpin.org.uk	St Laurence Orchard Project	2009	-	-	-	8.3
Ron Bates, St Laurence Orchard	Closer communications between Southend Council and Growing Together to ensure further maintenance works on site do not conflict, following an incident where compost heaps and log piles were removed	St Laurence Orchard	Spring 2009	-	-	-	8.1
Ron Bates, St Laurence Orchard	Tree and Wild Flower Planting	St Laurence Orchard	2009	-	-	-	8.2
Ron Bates, St Laurence Orchard	Development of rough grass areas that have increased vole populations and seen the arrival of weasel. Areas of Bramble and shrub have accommodated Whitethroats	St Laurence Orchard	2009	-	-	-	8.2

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	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Ginette Braithwaite, Groundwork South Essex Volunteers	Coppicing	Dodds Grove, Belfairs	21st February 2009	0	6	600	8.1
Roger Payne, Southend Museum	Wildlife recording	Belfairs Nature Reserve	10th July 2009	0	2	-	8.3
Roger Payne, Southend Museum	Wildlife recording	Belfairs Nature Reserve	15th August 2009	0	0	-	8.3
John Skinner, Southend Museum	Beachwalk for children. Organised by Milton Community Group	Westcliff Beach	3rd August 2009	20	12	-	8.3
Ginette Braithwaite, Groundwork South Essex Volunteers	Bracken clearing	Dodds Grove, Belfairs	9th June 2009	0	12	600	8.1
Ginette Braithwaite, Groundwork South Essex Volunteers	Coppicing and burning logs previously coppiced	Dodds Grove, Belfairs	4th November 2009	0	11	600	8.1
Southend Dormouse Group	Mammel and Dormouse Survey	Hadleigh Great Woods Nature Reserve	April to Nov 2009	-	10 to 15	-	8.3
Southend-on-Sea Borough Council and Essex Wildlife Trust	Belfairs Park Fun Day raised profile of ancient woodland ecology and conservation inline with proposals to build a Woodland Resource Centre	Belfairs Park and Nature Reserve	September 5th 2009	-	30	0	8.4

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

Name / Department	Brief Description of Activity	Location	Date	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Roger Payne, Southend Museum	Guided nature walks on Open Day	Manchester Drive Allotments, Leigh on Sea	13th Sept 2009	5	6	-	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

Name / Department	Brief Description of Activity	Location	Date	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Renaissance Southend	Preliminary Wildlife Assessment to ensure the restoration and access project has minimal impact on wildlife	St Johns Church Gardens	Mar-09	-	-	-	8.1

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	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
John Skinner, Southend Museum.	Small exhibition of garden insects at 'Night at the Museum' event	Central Museum	16th May 2009	30	50+	-	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	Number of Young Volunteer	Number of Adult Volunteer	Estimate Size of Area (m ²)	Objective
Renaissance Southend	Preliminary Wildlife Assessment report by EECOS ecological consultants to outline if early plans for Gunners Park Heritage Centre will have an impact on wildlife	Gunners Park	Feb-2009	-	-	-	8.2
Renaissance Southend	Preliminary Wildlife Assessment report by EECOS to outline if initial plans for Belfairs Park Woodland Resource Centre will have an impact on local wildlife. Report includes Addendum 1 written March 2009 and Addendum 2 - July 2009	Belfairs Park	Feb 2009, March 2009, July 2009	-	-	-	8.2
EWT People and Wildlife Team	Minibeasts hunt indoors & outdoors. Explored habitats within grounds & invertebrate identification.	Milton Hall Primary School	2nd March 2009	85	10	-	8.1
EWT People and Wildlife Team	Created willow dome-sustainable habitat	Thorpdene Infants School	2nd April 2009	70	6	-	8.3
Roger Payne, Southend Museum	On-going survey of Priory Park wildlife	Priory Park	8th April 2009	0	0	-	8.2
Roger Payne, Southend Museum	On-going survey of Priory Park wildlife	Priory Park	28th April 2009	0	0	-	8.2
Ginette Braithwaite, Groundwork South Essex	Wildlife garden maintenance - removal of invasive species	Chalkwell Park	14th May 2009	0	8	400	8.2
Roger Payne, Southend Museum	On-going survey of Priory Park wildlife	Priory Park	22nd July 2009	0	0	-	8.2
Roger Payne, Southend Museum	On-going survey of Priory Park wildlife	Priory Park	25th August 2009	0	0	-	8.2
Ginette Braithwaite, Groundwork South Essex	Bulb planting, creation and maintenance of whip beds, weeding and litter picking	South church Park East	17th Oct 2009	0	13	2,000	8.1
EWT People and Wildlife Team	Raise awareness/change behaviour regarding waste.	Leigh Infants School	22nd Oct 2009	90	12	-	8.3

EWT People and Wildlife Team	supporting the set up and delivery of Forest Schools in school grounds	Shoeburyness High	9 th , 23rd Oct. 13th Nov & 11th Dec 09	15 students	2 teachers	80 x 60	8.3
EWT People and Wildlife Team	Teacher training, raising awareness of outdoor learning - Forest Schools	Bournes Green Infants	6 th Oct 09		20 teachers		8.3
EWT People and Wildlife Team	Teacher training, raising awareness of outdoor learning - Forest Schools	Milton Primary School	1 st Dec 09		20 teachers		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

Name / Department	Brief Description of Activity	Location	Date	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Southend-on-Sea Borough Council Arb Section	Highway Native Tree-Street Planting	Southend Borough wide	on-going	-	-	-	8.2
Rick Milsom, Southend-on-Sea Borough Council Arb Section	Retaining Ivy on trees	Southend Borough wide	on-going	-	-	-	8.2

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 2009

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

Name / Department	Brief Description of Activity	Location	Date	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m²)	Objective
Southend-on-Sea Borough Council Arb Section	Highway Native-Tree Street Planting	Southend Borough wide	on-going	-	-	-	8.1

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

No recorded actions during 2009

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

Name / Department	Brief Description of Activity	Location	Date of Activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Ginette Braithwaite, Groundwork South Essex Volunteers	Coppicing to maintain habitat for Heath Fritillary butterfly	Dodds Grove, Belfairs	21 st Feb 2009	0	6	600	8.1

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

Name / Department	Brief Description of Activity	Location	Date of Activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Roger Payne, Southend Museum	Exhibited display on the wildlife of Belton Hills Local Nature Reserve at the 'Good for Leigh' festival. Raise awareness, answered questions etc.	Leigh-on-Sea Community Centre	7th February 2009	0	0	-	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

No recorded actions during 2009

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

Name / Department	Brief Description of Activity	Location	Date	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m²)	Objective
Renaissance Southend	Bat Habitat Assessment Report produced by EECOS Ecological Services to assess trees with Bat Roost potential, for consideration in the Warrior Square development plans	Warrior Square	Mar-09	-	-	-	8.2

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 2009.

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

Name / Department	Brief Description	Location	Date	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Southend Dormouse Group	Monitored nest box populations each month	Hadleigh Great Woods	April - Nov 2009	-	10 to 15	-	8.1

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	Location	Date	Number of Young Volunteers	Number of Adult Volunteers	Estimate Size of Area (m ²)	Objective
Environment Agency	Undertook clearance work in the ditch - that threatened known wolverole habitat. They were unaware of wolverole presence and are now working with Atkins ecology and Essex Wildlife Trust to reduce impact on wolveroles.	Willingale Way	24th Nov 09	-	-	100	8.2
Mark Bridges, Two Tree Island Warden & Volunteers	Reed clearance and planting in new areas. Channels cleared for water vole and reed nesting birds, area of new reedbed established.	Two Tree Island Nature Reserve	17.6.09 11.10.09 8.11.09	-	17	1000	8.1, 8.2

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 2009.

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

No recorded action during 2009.

3.8 SPECIES ACTION PLAN – PLANTS AND TREES

Black Poplar

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

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

Objective 8.3 Raise awareness

No recorded action during 2009.

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

No recorded action during 2009.

SECTION 4 Biodiversity Action Plan Species Records 2009

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 2009.

4.1 HABITAT ACTION PLAN - AQUATIC

Brackish Lagoon

No data recorded during 2009.

Intertidal Mudflats and Sandflats

Record #	Common Name	Scientific Name	Quantity	Name who witnessed the species	Name who verified species	Date	Location Name	Grid Ref	Comment
IMSC 12	Eel Grass	<i>Zostera marina</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 13	Cat's-ear	<i>Hypochaeris radicata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 14	Perennial Rye-grass	<i>Lolium perenne</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 15	Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 16	Common Mallow	<i>Malva sylvestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 17	Pineappleweed	<i>Matricaria discoidea</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 18	Black Medick	<i>Medicago lupulina</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		

IMSC 19	White Campion	<i>Silene latifolia</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 20	Common Rest-harrow	<i>Ononis repens subsp. repens</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 21	Bristly Oxtongue	<i>Picris echioides</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 22	Buck's-horn Plantain	<i>Plantago coronopus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 23	Ribwort Plantain	<i>Plantago lanceolata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 24	Knotgrass	<i>Polygonum aviculare</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 25	Horse-radish	<i>Armoracia rusticana</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 26	Weld	<i>Reseda luteola</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 27	Mugwort	<i>Artemisia vulgaris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 28	Wild Clary	<i>Salvia verbenaca</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 29	Hoary Ragwort	<i>Senecio erucifolius</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 30	Groundsel	<i>Senecio vulgaris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 31	Alexanders	<i>Smyrniolus atrum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 32	Smooth Sow-thistle	<i>Sonchus oleraceus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 33	Dandelion	<i>Taraxacum agg.</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 34	Strawberry Clover	<i>Trifolium fragiferum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 35	Red Clover	<i>Trifolium pratense</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		

IMSC 36	White Clover	<i>Trifolium repens</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 37	Frosted Orache	<i>Atriplex laciniata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 38	Black Horehound	<i>Ballota nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 39	Daisy	<i>Bellis perennis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 40	Sea Beet	<i>Beta vulgaris subsp. maritima</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 41	Black Mustard	<i>Brassica nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 42	Guernsey Fleabane	<i>Conyza sumatrensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 43	Sea Couch	<i>Elytrigia atherica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 44	Shepherd's- purse	<i>Capsella bursa-pastoris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 45	Hoary Cress	<i>Lepidium draba</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 46	Sand Sedge	<i>Carex arenaria</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 47	Fat-hen	<i>Chenopodium album</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 48	Creeping Thistle	<i>Cirsium arvense</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 49	Spear Thistle	<i>Cirsium vulgare</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 50	Field Bindweed	<i>Convolvulus arvensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 51	Beaked Hawk's- beard	<i>Crepis vesicaria</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 52	Bermuda- grass	<i>Cynodon dactylon</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		Vulnerable

IMSC 53	Yarrow	<i>Achillea millefolium</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 54	Sea-holly	<i>Eryngium maritimum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 55	Wild Onion	<i>Allium vineale</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 56	Fennel	<i>Foeniculum vulgare</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 57	Dove's-foot Crane's-bill	<i>Geranium molle</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 58	Yellow Horned- poppy	<i>Glaucium flavum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 59	Sea Sandwort	<i>Honckenya peploides</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		
IMSC 60	Wall Barley	<i>Hordeum murinum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury East Beach		

Ponds and Lakes

No data recorded during 2009.

Reedbeds and Marsh

No data recorded during 2009.

Rivers, Streams and Drainage Ditches

No data recorded during 2009.

Saltmarsh

Record #	Common Name	Scientific Name	Quantity	Name who witnessed the species	Name who verified the type of species	Date	Location Name	Grid Ref	Comment
SM142	Nightingale	<i>Luscinia megarhynchos</i>	1	R.Payne	R.Payne	21/04/2009	Two Tree Island Nature Reserve	TQ82-85-	1 male singing
SM143	Pyramidal Orchid	<i>Anacamptis pyramidalis</i>	many	J. Wright	-	2009	Two tree Island, western end	TQ82-84-	hundreds of flowering spikes
SM144	Bearded Iris	<i>Iris germanica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM145	Cow Parsley	<i>Anthriscus sylvestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM146	Dog-rose	<i>Rosa canina</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM147	Bramble	<i>Rubus fruticosus agg.</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM148	Oxford Ragwort	<i>Senecio squalidus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM149	Alexanders	<i>Smyrniolum olusatrum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM150	Common Whitebeam	<i>Sorbus aria</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM151	Hoary Cress	<i>Lepidium draba</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM152	Hawthorn	<i>Crataegus monogyna</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM153	Beaked Hawk's-beard	<i>Crepis vesicaria</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Two Tree Island		
SM154	Brown Banded Carder Bee	<i>Bombus Humilis</i>	1	P. R. Harvey	P. R. Harvey	03.08.09	Two Tree Island east	TQ82 6852	large adult on Mallow Flower

SM155	Brown Banded Carder Bee	<i>Bombus Humilis</i>	20	P. R. Harvey	P. R. Harvey	03.08.09	Two Tree Island east	TQ82 8851	On red Bartsia growing in areas of grassland
SM156	Brown Banded Carder Bee	<i>Bombus Humilis</i>	4	P. R. Harvey	P. R. Harvey	03.08.09	Two Tree Island west	TQ82 85	
SM157	Picture Winged Fly	<i>Dorycera Graminum</i>	3	P. R. Harvey	P. R. Harvey	03.06.09	Two Tree Island West	TQ81 6848	Upto seawall bank and upper saltmarsh
SM158	Picture Winged Fly	<i>Dorycera Graminum</i>	4	P. R. Harvey	P. R. Harvey	03.06.09	Two Tree Island west	TQ81 6848	Upto seawall bank and upper saltmarsh

Seagrass beds

No data recorded during 2009.

4.2 HABITAT ACTION PLANS – TERRESTRIAL

Ancient and Veteran Trees

No data recorded during 2009.

Arable Land and Field Margins

No data recorded during 2009.

Natural Grasslands

Record #	Common Name	Scientific Name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid Ref	Comments
NG95	Spotted flycatcher	<i>Muscicapa striata</i>	1	R.Payne	R.Payne	06/09/09	Shoebury Old Ranges Nature Reserve	TQ9 3-84-	1 observed hunting insects on passage
NG96	Beetle	<i>Lampyris noctiluca</i> (Glow-worm)	3	P. Griggs	P. Griggs	12/06/09	Belton Hill Nature Reserve	TQ8 2-85-	
NG97	Bee Wolf	<i>Philanthus triangulum</i>	2	R.Payne	R.Payne	05/09/09	Shoebury Old Ranges Nature Reserve	TQ9 3-84-	Red Data Book 2 and Essex species. 2 Females
NG98	Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG99	Dwarf Mallow	<i>Malva neglecta</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG100	Common Mallow	<i>Malva sylvestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG101	Bristly Oxtongue	<i>Picris echinoides</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG102	Buck's-horn Plantain	<i>Plantago coronopus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG103	Ribwort Plantain	<i>Plantago lanceolata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG104	Creeping Cinquefoil	<i>Potentilla reptans</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG105	Thyme-leaved Sandwort	<i>Arenaria serpyllifolia</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG106	Bastard Cabbage	<i>Rapistrum rugosum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG107	Weld	<i>Reseda luteola</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Ness Coastguard station		
NG108	Sweet-briar	<i>Rosa rubiginosa</i>	1	Barbara Williams	Barbara Williams	2009	Shoebury Ness		

		<i>agg.</i>		SENHS	SENHS		Coastguard station		
NG109	Bramble	<i>Rubus fruticosus agg.</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG110	Curled Dock	<i>Rumex crispus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG111	Wild Clary	<i>Salvia verbenaca</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG112	Biting Stonecrop	<i>Sedum acre</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG113	Hoary Ragwort	<i>Senecio erucifolius</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG114	Alexanders	<i>Smyrniolum satrum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG115	Black Horehound	<i>Ballota nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG116	Daisy	<i>Bellis perennis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG117	Sea Beet	<i>Beta vulgaris subsp. maritima</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG118	Black Mustard	<i>Brassica nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG119	Sea Couch	<i>Elytrigia atherica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG120	Hoary Cress	<i>Lepidium draba</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG121	Musk Thistle	<i>Carduus nutans</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG122	Sand Sedge	<i>Carex arenaria</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG123	Hottentot-fig	<i>Carpobrotus edulis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		

NG124	Creeping Thistle	<i>Cirsium arvense</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG125	Spear Thistle	<i>Cirsium vulgare</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG126	Field Bindweed	<i>Convolvulus arvensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG127	Smooth Hawk's-beard	<i>Crepis capillaris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG128	Yarrow	<i>Achillea millefolium</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG129	Common Stork's-bill	<i>Erodium cicutarium</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG130	Fennel	<i>Foeniculum vulgare</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG131	Lady's Bedstraw	<i>Galium verum</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG132	Yellow Horned-poppy	<i>Glaucium flavum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG133	Sea-purslane	<i>Atriplex portulacoides</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG134	Scarlet Pimpernel	<i>Anagallis arvensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoeburyness Coastguard station		
NG135	Bearded Iris	<i>Iris germanica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG136	White Dead-nettle	<i>Lamium album</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG137	Red Dead-nettle	<i>Lamium purpureum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG138	Field Wood-rush	<i>Luzula campestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG139	Bur Chervil	<i>Anthriscus caucalis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		

NG140	Apple	<i>Malus domestica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG141	Blinks	<i>Montia fontana</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG142	Parsley-piert	<i>Aphanes arvensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG143	Early Forget-me-not	<i>Myosotis ramosissima</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG144	Changing Forget-me-not	<i>Myosotis discolor</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG145	Blackthorn	<i>Prunus spinosa</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG146	Sheep's Sorrel	<i>Rumex acetosella</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG147	Greek Dock	<i>Rumex cristatus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG148	Lords-and-Ladies	<i>Arum maculatum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG149	Broom	<i>Cytisus scoparius</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG150	Meadow Saxifrage	<i>Saxifraga granulata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG151	Alexanders	<i>Smyrniolum olusatrum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG152	Smooth Sow-thistle	<i>Sonchus oleraceus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG153	Lesser Chickweed	<i>Stellaria pallida</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG154	Common Chickweed	<i>Stellaria media</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG155	Dandelion	<i>Taraxacum agg.</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG156	Small Nettle	<i>Urtica urens</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG157	Wall Speedwell	<i>Veronica arvensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		

NG158	Common Field-speedwell	<i>Veronica persica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG159	Narrow-leaved Vetch	<i>Vicia sativa subsp. nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG160	White Bryony	<i>Bryonia dioica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG161	Shepherd's-purse	<i>Capsella bursa-pastoris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG162	Hairy Bitter- cress	<i>Cardamine hirsuta</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG163	Hoary Cress	<i>Lepidium draba</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG164	Grey Sedge	<i>Carex divulsa</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG165	Sticky Mouse-ear	<i>Cerastium glomeratum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG166	Common Mouse-ear	<i>Cerastium fontanum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG167	Springbeauty	<i>Claytonia perfoliata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG168	Hawthorn	<i>Crataegus monogyna</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG169	Garlic Mustard	<i>Alliaria petiolata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG170	Spanish Bluebell	<i>Hyacinthoides hispanica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG171	Red-hot-poker	<i>Kniphofia uvaria</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG172	Common Stork's-bill	<i>Erodium cicutarium</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG173	Cleavers	<i>Galium aparine</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG174	Dove's-foot Crane's-bill	<i>Geranium molle</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG175	Small-flowered Crane's-bill	<i>Geranium pusillum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		

NG176	Ground-ivy	<i>Glechoma hederacea</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG177	Mouse-ear-hawkweed	<i>Pilosella officinarum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		
NG178	Scarlet Pimpernel	<i>Anagallis arvensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Shoebury Old Ranges		

Traditional Orchard

No data recorded during 2009.

Woodlands

Record #	Common Name	Scientific Name	Quantity	Name who witnessed the species	Name who verified the species	Date	Location	Grid Ref	Comments
W62	Brimstone	<i>G Rhamni</i>	4	Don Down	-	20/05/09	Dodds Grove & Belfairs Nature Reserve		
W63	Speckled Wood	<i>P aegeria</i>	7	Don Down	-	20/05/09	Dodds Grove & Belfairs Nature Reserve		
W64	Orange Tip	<i>E cardamines</i>	1	Don Down	-	20/05/09	Dodds Grove & Belfairs Nature Reserve		
W65	Large White	<i>P brassicae</i>	3	Don Down	-	20/05/09	Dodds Grove & Belfairs Nature Reserve		
W66	Green-veined White	<i>P napi</i>	4	Don Down	-	20/05/09	Dodds Grove & Belfairs Nature Reserve		
W67	Small White	<i>P napea</i>	2	Don Down	-	20/05/09	Dodds Grove & Belfairs Nature Reserve		
W68	Holy Blue	<i>C argiolus</i>	2	Don Down	-	20/05/09	Dodds Grove & Belfairs Nature Reserve		

W69	Painted Lady	<i>C cardui</i>	2	Don Down	-	20/05/09	Dodds Grove & Belfairs Nature Reserve		Potential forerunner of species invasion recorded from 24th - 26th May. Greatest invasion since 1996
W70	Painted Lady	<i>C cardui</i>	60	Don Down	-	26/05/09	Belfairs Park		
W71	Shield Bug	<i>Sehirus biguttatus</i>	1	R.Payne	R.Payne	10/07/09	Belfairs Nature Reserve	TQ8 1-87-	Scarce (Notable) 1st Essex record. 1 sewpt from cow wheat
W72	Hoverfly	<i>Volucella inanis</i>	1	R.Payne	R.Payne	08/09/09	Belfairs Nature Reserve	TQ8 2-87-	Scarce (notable) Essex Red Data Book
W73	Hoverfly	<i>Rhingia rostrata</i>	1	R.Payne	R.Payne	15/08/09	Belfairs Nature Reserve	TQ8 1-87-	Red Data Book Essex. 1 female
W74	Wild Bee	<i>Nomada rufipes</i> (Golden Rod Nomad Bee)	1	R.Payne	R.Payne	15/08/09	Belfairs Nature Reserve	TQ8 1-87-	Red Data Book Essex; Only 8 Essex records
W75	White Admiral Butterfly	<i>Limenitis camilla</i>	10+	R.Payne	R.Payne	10/07/09	Belfairs Nature Reserve	TQ8 2-87-	Only a few colonies in Essex
W76	Woodmouse	<i>Apodemus sylvaticus</i>	1	Karen Bigmore	Sue Portsmouth	21/11/09	Belfairs Woods		Heavy infestation of tics
W77	White Admiral Butterfly	<i>Limenitis camilla</i>	1	Don Down	Don Down	23/06/09	Belfairs Nature Reserve & Dodds Grove		
W78	White Admiral Butterfly	<i>Limenitis camilla</i>	6	Don Down	Steve Geison	25/06/09	Belfairs Nature Reserve & Dodds Grove		
W79	White Admiral Butterfly	<i>Limenitis camilla</i>	2	Don Down	Don Down	06/07/09	Belfairs Nature Reserve & Dodds Grove		
W80	White Admiral Butterfly	<i>Limenitis camilla</i>	2	Don Down	Don Down	12/07/09	Belfairs Nature Reserve & Dodds Grove		
W81	White Admiral Butterfly	<i>Limenitis camilla</i>	2	Don Down	Don Down	16/7/09	Belfairs Nature Reserve & Dodds Grove		

4.3 HABITAT ACTION PLAN – URBAN

Allotments

Record #	Common Name	Scientific Name	Quantity	Name who witnessed the species	Name who verified species	Date	Location	Grid Ref	Comment
A1	Long Winged Conehead Grasshopper	<i>Conocephalus discolor</i>	unknown	R.Payne	R.Payne	13.09.09	Manchester Drive Allotments	TQ8 4-87-	Scarce

Churchyards and Cemeteries

No data recorded during 2009.

Gardens in Urban Areas

Record #	Common Name	Scientific Name	Quantity	Name who witnessed the species	Name who verified the species	Date	Location Name	Grid Ref	Comment
GUA 1	Wild Bee	<i>Anthophora quadrimaculata</i>	Several	R.Payne	R.Payne	12/06/09	Cliff Avenue, Westcliff	TQ87-86-	Scarce, Essex Red Data Book. Several in garden
GUA 2	White Admiral	<i>Limenitis camilla</i>	1	R.Payne	R.Payne	02/08/09	Cliff Avenue, Westcliff	TQ87-86-	Only a few colonies in Essex. 1 Female

Public Parks and Amenity Open Spaces

Record #	Common Name	Scientific Name	Quantity	Name who witnessed the species	Name who verified the species	Date	Location	Grid Ref	Comments
PPOS 142	Wild Bee	<i>Heriades truncorum</i>	2	R.Payne	R.Payne	22/07/09	Priory park	TQ8 7-87-	Red Data Book Species. 1 male, 1 female from conservation stream
PPOS 143	Hoverfly	<i>Volucella inanis</i>	1	R.Payne	R.Payne	22/07/09	Priory park	TQ8 7-87-	Scarce (notable) Essex Red Data Book
PPOS 144	Hoverfly	<i>Volucella zonaria</i>	1	J.Bishop	R.Payne	09/08/09	Priory park	TQ8 7-87-	Scarce (notable) Essex RDB
PPOS 145	Moth	<i>Synanthedon vespiformis</i> (Yellow-legged Clearwing)	1	J.Bishop	R.Payne	09/08/09	Priory park	TQ8 7-87-	Scarce (Nb) Essex Red Data Book. 1 female near stream
PPOS 146	Ant	<i>Lasius brunneus</i>	?	R.Payne	R.Payne	25/08/09	Priory park	TQ8 7-87-	Scarce (Na) Essex Red Data Book. found regularly on an oak tree near conservation stream
PPOS 147	Moth	<i>Simyra albovenosa</i> (Reed Dagger)	1	R.Payne	R.Payne	05/09/09	Gunners Park	TQ9 3-84-	Scarce (Nb) Essex Red Data Book. 1 caterpillar found on Sea Clubrush
PPOS 148	Yellow Iris	<i>Iris pseudacorus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 149	Common Mallow	<i>Malva sylvestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 150	Cow Parsley	<i>Anthriscus sylvestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 151	Red Campion	<i>Silene dioica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS	Annual	<i>Poa annua</i>	1	Barbara	Barbara	2009	Chalkwell		

152	Meadow-grass			Williams SENHS	Williams SENHS		Park		
PPOS 153	Black Poplar	<i>Populus nigra subsp. betulifolia</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 154	Butcher's-broom	<i>Ruscus aculeatus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 155	Alexanders	<i>Smyrniolus atrum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 156	Prickly Sow-thistle	<i>Sonchus asper</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 157	Greater Stitchwort	<i>Stellaria holostea</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 158	Subterranean Clover	<i>Trifolium subterraneum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 159	Gorse	<i>Ulex europaeus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 160	Common Nettle	<i>Urtica dioica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 161	Daisy	<i>Bellis perennis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 162	Marsh-marigold	<i>Caltha palustris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 163	Hairy Bitter-cress	<i>Cardamine hirsuta</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 164	Sticky Mouse-ear	<i>Cerastium glomeratum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 165	Oxeye Daisy	<i>Leucanthemum vulgare</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 166	Cock's-foot	<i>Dactylis glomerata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 167	Garlic Mustard	<i>Alliaria petiolata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 168	Meadow Foxtail	<i>Alopecurus pratensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 169	Wood Avens	<i>Geum urbanum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 170	Hogweed	<i>Heracleum sphondylium</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 171	Cat's-ear	<i>Hypochaeris radicata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 172	Nipplewort	<i>Lapsana communis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		

PPOS 173	Barren Brome	<i>Anisantha sterilis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 174	Perennial Rye-grass	<i>Lolium perenne</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 175	Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 176	Sweet Vernal-grass	<i>Anthoxanthum odoratum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 177	Common Mallow	<i>Malva sylvestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 178	Cow Parsley	<i>Anthriscus sylvestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 179	Ribwort Plantain	<i>Plantago lanceolata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 180	Greater Plantain	<i>Plantago major</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 181	Annual Meadow-grass	<i>Poa annua</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 182	Smooth Meadow-grass	<i>Poa pratensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 183	Blackthorn	<i>Prunus spinosa</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 184	Bracken	<i>Pteridium aquilinum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 185	Pedunculate Oak	<i>Quercus robur</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 186	Meadow Buttercup	<i>Ranunculus acris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 187	Creeping Buttercup	<i>Ranunculus repens</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 188	Dog-rose	<i>Rosa canina</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 189	Bramble	<i>Rubus fruticosus agg.</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 190	Common Sorrel	<i>Rumex acetosa</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 191	Curled Dock	<i>Rumex crispus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 192	Elder	<i>Sambucus nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 193	Smooth Sow-thistle	<i>Sonchus oleraceus</i>	1	Barbara Williams	Barbara Williams	2009	Chalkwell Park		

				SENHS	SENHS				
PPOS 194	Lesser Stitchwort	<i>Stellaria graminea</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 195	Dandelion	<i>Taraxacum agg.</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 196	Salsify	<i>Tragopogon porrifolius</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 197	Red Clover	<i>Trifolium pratense</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 198	White Clover	<i>Trifolium repens</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 199	Common Nettle	<i>Urtica dioica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 200	Smooth Tare	<i>Vicia tetrasperma</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 201	Daisy	<i>Bellis perennis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 202	Soft-brome	<i>Bromus hordeaceus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 203	Hedge Bindweed	<i>Calystegia sepium</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 204	Creeping Thistle	<i>Cirsium arvense</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 205	Hawthorn	<i>Crataegus monogyna</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 206	Beaked Hawk's-beard	<i>Crepis vesicaria</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 207	Crested Dog's-tail	<i>Cynosurus cristatus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 208	Cock's-foot	<i>Dactylis glomerata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 209	Tall Fescue	<i>Festuca arundinacea</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 210	Cleavers	<i>Galium aparine</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 211	Ground-ivy	<i>Glechoma hederacea</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 212	Common Ivy	<i>Hedera helix</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 213	Hogweed	<i>Heracleum sphondylium</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS	Yorkshire-	<i>Holcus lanatus</i>	1	Barbara	Barbara	2009	Chalkwell		

214	fog			Williams SENHS	Williams SENHS		Park		
PPOS 215	Wall Barley	<i>Hordeum murinum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Chalkwell Park		
PPOS 216	Gutweed	<i>Enteromorpha intestinalis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 217	Prickly Lettuce	<i>Lactuca serriola</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 218	Great Lettuce	<i>Lactuca virosa</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 219	Red Dead- nettle	<i>Lamium purpureum</i>	3	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 220	Common Toadflax	<i>Linaria vulgaris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 221	Perennial Rye-grass	<i>Lolium perenne</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 222	Common Bird's-foot- trefoil	<i>Lotus corniculatus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 223	Common Mallow	<i>Malva sylvestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 224	Scentless Mayweed	<i>Tripleurosper mum inodorum</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 225	Sea Mayweed	<i>Tripleurosper mum maritimum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 226	Spotted Medick	<i>Medicago arabica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 227	Cow Parsley	<i>Anthriscus sylvestris</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 228	White Campion	<i>Silene latifolia</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 229	White Melilot	<i>Melilotus albus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 230	Annual Mercury	<i>Mercurialis annua</i>	3	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 231	Upright Chickweed	<i>Moenchia erecta</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 232	Wild Celery	<i>Apium graveolens</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 233	Common Poppy	<i>Papaver rhoeas</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 234	Opium Poppy	<i>Papaver somniferum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		

PPOS 235	Bristly Oxtongue	<i>Picris echioides</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 236	Ribwort Plantain	<i>Plantago lanceolata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 237	Greater Plantain	<i>Plantago major</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 238	Annual Meadow-grass	<i>Poa annua</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 239	Knotgrass	<i>Polygonum aviculare</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 240	Creeping Cinquefoil	<i>Potentilla reptans</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 241	Common Fleabane	<i>Pulicaria dysenterica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 242	Bulbous Buttercup	<i>Ranunculus bulbosus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 243	Lesser Celandine	<i>Ranunculus ficaria</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 244	Weld	<i>Reseda luteola</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 245	False Oat-Grass	<i>Arrhenatherum elatius</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 246	Broad-leaved Dock	<i>Rumex obtusifolius</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 247	Fiddle Dock	<i>Rumex pulcher</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 248	Sea Club-rush	<i>Bolboschoenus maritimus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 249	Oxford Ragwort	<i>Senecio squalidus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 250	Ground sel	<i>Senecio vulgaris</i>	3	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 251	Charlock	<i>Sinapis arvensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 252	Alexanders	<i>Smyrniolus atrum</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 253	Black Nightshade	<i>Solanum nigrum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 254	Prickly Sow-thistle	<i>Sonchus asper</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 255	Smooth Sow-thistle	<i>Sonchus oleraceus</i>	2	Barbara Williams	Barbara Williams	2009	Gunners Park		

				SENHS	SENHS				
PPOS 256	Common Chickweed	<i>Stellaria media</i>	3	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 257	Dandelion	<i>Taraxacum agg.</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 258	Field Penny-cress	<i>Thlaspi arvense</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 259	Red Clover	<i>Trifolium pratense</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 260	White Clover	<i>Trifolium repens</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 261	Colt's-foot	<i>Tussilago farfara</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 262	Gorse	<i>Ulex europaeus</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 263	Grass-leaved Orache	<i>Atriplex littoralis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 264	Ivy-leaved Speedwell	<i>Veronica hederifolia subsp. lucorum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 265	Common Field-speedwell	<i>Veronica persica</i>	3	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 266	Common Orache	<i>Atriplex patula</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 267	Narrow-leaved Vetch	<i>Vicia sativa subsp. nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 268	Wild-oat	<i>Avena fatua</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 269	Black Horehound	<i>Ballota nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 270	Daisy	<i>Bellis perennis</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 271	Sea Beet	<i>Beta vulgaris subsp. maritima</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 272	Rape	<i>Brassica napus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 273	Black Mustard	<i>Brassica nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 274	Guernsey Fleabane	<i>Conyza sumatrensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 275	Pot Marigold	<i>Calendula officinalis</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		

PPOS 276	Sea Couch	<i>Elytrigia atherica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 277	Shepherd's-purse	<i>Capsella bursa-pastoris</i>	3	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 278	Hairy Bitter-cress	<i>Cardamine hirsuta</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 279	Common Couch	<i>Elytrigia repens</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 280	Hoary Cress	<i>Lepidium draba</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 281	Corncockle	<i>Agrostemma githago</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 282	Sand Sedge	<i>Carex arenaria</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 283	Common Knapweed	<i>Centaurea nigra</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 284	Sticky Mouse-ear	<i>Cerastium glomeratum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 285	Fat-hen	<i>Chenopodium album</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 286	Corn Marigold	<i>Chrysanthemum segetum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 287	Marsh Thistle	<i>Cirsium palustre</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 288	Spear Thistle	<i>Cirsium vulgare</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 289	Lesser Swine-cress	<i>Coronopus didymus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 290	Wild Carrot	<i>Daucus carota subsp. carota</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 291	Garlic Mustard	<i>Alliaria petiolata</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 292	Perennial Wall-rocket	<i>Diptaxis tenuifolia</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 293	Spanish Bluebell	<i>Hyacinthoides hispanica</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 294	Yarrow	<i>Achillea millefolium</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 295	Sun Spurge	<i>Euphorbia helioscopia</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 296	Fennel	<i>Foeniculum vulgare</i>	1	Barbara Williams	Barbara Williams	2009	Gunners Park		

				SENHS	SENHS				
PPOS 297	Black-grass	<i>Alopecurus myosuroides</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 298	Goat's-rue	<i>Galega officinalis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 299	Ground-ivy	<i>Glechoma hederacea</i>	2	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 300	Yorkshire-fog	<i>Holcus lanatus</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 301	Scarlet Pimpernel	<i>Anagallis arvensis</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 302	Wall Barley	<i>Hordeum murinum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		
PPOS 303	Meadow Barley	<i>Hordeum secalinum</i>	1	Barbara Williams SENHS	Barbara Williams SENHS	2009	Gunners Park		

Roadsides and Verges

No data recorded during 2009.

4.4 SPECIES ACTION PLAN – BIRDS

Dark-Bellied Brent Goose

Record #	Common Name	Scientific Name	Quantity	Name who witnessed the species	Name who verified the species	Date	Location	Grid Ref	Comment
DBBG 2	Dark bellied brent goose	<i>Branta Bernicla</i>	5000+	M Bridges	M Bridges	15.11.09	Two Tree Island	TQ826 850	Feeding on eelgrass on mudflats

Garden Birds

No data recorded during 2009.

Skylark

Record #	Common Name	Scientific Name	Quantity	Name who witnessed the species	Name who verified the type of species	Date	Location Name	Grid Ref	Comment
S2	Skylark	<i>Alauda Arvensis</i>	3	M Bridges	M Bridges	18/05/09	Two Tree Island	TQ818 848	Nesting
S3	Skylark	<i>Alauda Arvensis</i>	several	Roger payne	Roger payne	21/04/09	Two Tree Island western end	TQ 82-85-	Several males seen singing

4.4 SPECIES ACTION PLAN – INVERTEBRATES

Heath Fritillary Butterfly

Record #	Common Name	Scientific Name	Quantity	Name who witnessed the species	Name who verified the species	Date	Location	Grid Ref	Comments
HF8	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	50	Steve Arlow	n/a	02/06/09	Belfairs Nature Reserve & Dodds Grove		50 seen
HF9	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	20 Larva	Don Down	Don Down	23/04/09	Dodds Grove		Larva found on warm sunny morning
HF10	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	6	Don Down	Don Down	28/05/09	Dodds Grove		Sunny Periods
HF11	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	120	Don Down	SECG	09/06/09	Dodds Grove		-
HF12	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	200	Don Down	Don Down	12/06/09	Dodds Grove		Early sunshine, cloudy over
HF13	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	230+	Don Down	Don Down	15/06/09	Dodds Grove		Early morning cloud and violent storms early evening
HF14	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	160+	Don Down	SENHS	21/06/09	Dodds Grove		Sunny and warm after early cloud
HF15	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	120+	Don Down	Betty Matson	22/06/09	Dodds Grove		Sunny morning
HF16	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	90	Don Down	Don Down	25/06/09	Dodds Grove		Sunny and very warm
HF17	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	33	Don Down	Don Down	28/06/09	Dodds Grove		Cloudy then sunny warm
HF18	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	16	Don Down	Don Down	01/07/09	Dodds Grove		Sunny hot Morning
HF19	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	10	Don Down	Don Down	04/07/09	Dodds Grove		Sunny intervals
HF20	Heath Fritillary Butterfly	<i>Mellicta athalia</i>	0	Don Down	Don Down	12/07/09	Dodds Grove		Sunny periods warm

Shrill Cader Bee

Record #	Common Name	Scientific Name	Quantity	Name witnessed the species	Name who verified the species	Date	Location Name	Grid Ref	Comments
SCB2	Shrill Cader Bee	<i>Bombus Sylvorum</i>	40	P. R. Harvey	P. R. Harvey	03.08.09	Two Tree Island East	TQ828 851	Red Bartsia growing in areas of grassland
SCB3	Shrill Cader Bee	<i>Bombus Sylvorum</i>	1	P. R. Harvey	P. R. Harvey	03.08.09	Two Tree Island West	TQ828 5	On grassland

Stag Beetle

No data recorded during 2009.

4.6 SPECIES ACTION PLAN - MAMMALS

Bats

Record #	Common Name	Scientific Name	Quantity	Name witnessed the species	Name who verified the species	Date	Location Name	Grid Ref	Comments
B2	Pipistrelle bat	<i>Pipistrellus Pipistrellus</i>	8	M Bridges	M Bridges	14/8/09	Two Tree Island	TQ830 853	Feeding at dusk
B3	Pipistrelle Bats	<i>Pipistrellus Pipistrellus</i>	2	Roger Payne	Roger Payne	late July 2009	Cliff Avenue, Westcliff-on-Sea	TQ873 861	Seen hunting over garden
B4	Pipistrelle Bats	<i>Pipistrellus Pipistrellus</i>	2	Roger payne	Roger payne	00/08/09	11 Cliff Avenue Westcliff	TQ87-86-	2 bats hunting over garden one warm evening at dusk

Cetaceans

No data recorded during 2009.

Dormouse

Record #	Common Name	Scientific Name	Quantity	Name witnessed the species	Name who verified the species	Date	Location Name	Grid Ref	Comments
D9	Dormouse	<i>Muscardinus avellanarius</i>	0	Karen Bigmore	Sue Portsmouth	18/04/09	Hadleigh Great Wood		39 boxes contained bird nests
D10	Dormouse	<i>Muscardinus avellanarius</i>	8	Karen Bigmore	Sue Portsmouth	23/05/09	Hadleigh Great Wood		46 boxes contained bird nests
D11	Dormouse	<i>Muscardinus avellanarius</i>	12	Karen Bigmore	Sue Portsmouth	20/06/09	Hadleigh Great Wood		-

D12	Dormouse	<i>Muscardinus avellanarius</i>	30	Karen Bigmore	Sue Portsmouth	18/07/09	Hadleigh Great Wood		-
D13	Dormouse	<i>Muscardinus avellanarius</i>	28	Karen Bigmore	Sue Portsmouth	22/08/09	Hadleigh Great Wood		Old bird nests removed from boxes
D14	Dormouse	<i>Muscardinus avellanarius</i>	24	Karen Bigmore	Sue Portsmouth	19/09/09	Hadleigh Great Wood		-
D15	Dormouse	<i>Muscardinus avellanarius</i>	28	Karen Bigmore	Sue Portsmouth	17/10/09	Hadleigh Great Wood		-
D16	Dormouse	<i>Muscardinus avellanarius</i>	2	Karen Bigmore	Sue Portsmouth	21/11/09	Hadleigh Great Wood		-

Water Vole

Record #	Common Name	Scientific Name	Quantity	Name witnessed the species	Name who verified the species	Date	Location Name	Grid Ref	Comments
WV3	Water Vole	<i>Arvicola Terrestris</i>	Unknown	Atkins Ecologist Heather Mansfield		24.11.09	Willingale Way		These were first identified in 2001, but this information only reported to the Park's department in 2009
WV4	Water Vole	<i>Arvicola Terrestris</i>	2	M Bridges	M Bridges	14.6.09	Two Tree Island	TQ82 7850	
WV5	Water Vole	<i>Arvicola Terrestris</i>	1	M Bridges	M Bridges	30.8.09	Two Tree Island	TQ82 7850	

4.7 SPECIES ACTION PLAN - OTHER VERTEBRATES

Great Crested Newts

No data recorded during 2009.

Reptiles

Record #	Common Name	Scientific Name	Quantity	Name witnessed the species	Name who verified the species	Date	Location Name	Grid Ref	Comments
R3	Adder	<i>Vipera Berus</i>	2	M Bridges	M Bridges	18.5.09	Two Tree Island	TQ82 0850	Basking
R4	Adder	<i>Vipera Berus</i>	3	M Bridges	M Bridges	11.7.09	Two Tree Island	TQ82 0850	Basking
R5	Slow worm	<i>Anguis Fragilis</i>	1	M Pritchard	M Pritchard	28.5.09	Two Tree Island	TQ83 0853	Basking
R6	Common Lizard	<i>Lacerta Vivipara</i>	1	Jim Bishop	Roger Payne	19.4.09	Shoebury Old Ranges Nature Reserve	TQ92 84	Amongst gorse bushes

4.8 SPECIES ACTION PLAN – PLANTS AND TREES

Black Poplar

Record #	Common Name	Scientific Name	Quantity	Name witnessed the species	Name who verified the species	Date	Location	Grid Ref	Comments
BP1	Native Black Poplar	<i>Populus Nigra</i>	1	Tim Pyner	Tim Pyner	2009	Gunners Park	TQ51/9379.8447	Not known previously. Good Speciman. Material sent for DNA analysis

Deptford Pink

No data recorded during 2009

SECTION 5. Summary of 2009 Biodiversity Action Plan 'Actions'

AQUATIC	2008 Actions	2009 Actions
BRACKISH LAGOONS 8.1 PROTECTION OF THIS HABITAT	1	2
BRACKISH LAGOONS 8.2 RAISE AWARENESS	1	1
INTERTIDAL MUDFLATS 8.1 PROTECT & MAINTAIN HABITAT	0	1
INTERTIDAL MUDFLATS 8.2 MONITOR THIS HABITAT	1	1
INTERTIDAL MUDFLATS 8.3 RAISE AWARENESS	2	3
PONDS & LAKES 8.1 PROTECT AND EXTEND HABITAT	0	0
PONDS & LAKES 8.2 IMPROVE THIS HABITAT	1	0
PONDS & LAKES 8.3 INCREASE THIS HABITAT	0	0
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	1
REEDBED & MARSH 8.2 INCREASE HABITAT EXTENT	0	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	2	0
RIVERS STREAMS & DITCHES 8.4 RAISE AWARENESS	1	0
SALTMARSH 8.1 PROTECTION OF THIS HABITAT	0	2
SALTMARSH 8.2 MONITOR THIS HABITAT	1	2
SALTMARSH 8.3 INCREASE HABITAT EXTENT	0	1
SALTMARSH 8.4 RAISE AWARENESS	2	4
SEAGRASS BEDS 8.1 PROTECTION OF THIS HABITAT	0	0
SEAGRASS BEDS 8.2 MONITOR THIS HABITAT	0	1
SEAGRASS BEDS 8.3 RAISE AWARENESS	1	0
Total	14	21
TERRESTRIAL		
ANCIENT & VETERAN TREES 8.1 SURVEY CURRENT STOCK	0	0
ANCIENT & VETERAN TREES 8.2 PROTECT THIS HABITAT	1	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	1	0
HEDGEROWS 8.2 ID ANCIENT OR SPECIES RICH	0	0
HEDGEROWS 8.3 INCREASE THIS HABITAT	0	0
HEDGEROWS 8.4 RAISE AWARENESS	4	0
NATURAL GRASSLAND 8.1 MAINTAIN CURRENT LEVEL	0	2
NATURAL GRASSLAND 8.2 IDENTIFICATION SITES	3	2
NATURAL GRASSLAND 8.3 PREVENT DEGRADATION	0	0
NATURAL GRASSLAND 8.4 ENCOURAGE NEW AREAS	0	1
NATURAL GRASSLAND 8.5 RAISE AWARENESS	1	2
TRADITIONAL ORCHARD 8.1 PROTECT THIS HABITAT	0	1
TRADITIONAL ORCHARD 8.2 INCREASE EXTENT OF HABITAT	0	2
TRADITIONAL ORCHARD 8.3 RAISE AWARENESS	1	1
WOODLAND 8.1 MAINTAIN & PROTECT THIS HABITAT	2	3
WOODLAND 8.2 INCREASE THIS HABITAT	1	0
WOODLAND 8.3 MONITOR ITS STATUS	2	4
WOODLAND 8.4 RAISE AWARENESS	1	1
Total	17	19

URBAN	2008	2009
ALLOTMENTS 8.1 PROTECT THIS HABITAT	0	0
ALLOTMENTS 8.2 ENHANCE WILDLIFE VALUE OF SITE	1	0
ALLOTMENTS 8.3 INCREASE THE NUMBER OF ALLOTMENT HOLDERS	1	0
ALLOTMENTS 8.4 RAISE AWARENESS	1	1
CHURCHYARDS & CEMETERIES 8.1 PROTECT THIS SPECIES	2	1
CHURCHYARDS & CEMETERIES 8.2 INCREASE WILDLIFE VALUE OF SITE	5	0
CHURCHYARDS & CEMETERIES 8.3 RAISE AWARENESS	0	0
GARDENS IN URBAN AREAS 8.1 INCREASE WILDLIFE VALUE	1	0
GARDENS IN URBAN AREAS 8.2 RAISE AWARENESS	0	1
PARKS & OPEN SPACES 8.1 INCREASE WILDLIFE VALUE OF SITE	5	2
PARKS & OPEN SPACES 8.2 PROTECT KEY ON SITE SPECIES	0	7
PARKS & OPEN SPACES 8.3 RAISE AWARENESS	5	5
ROADSIDE & VERGES 8.1 ID NOTABLE SPECIES	0	0
ROADSIDE & VERGES 8.2 INCREASE WILDLIFE VALUE OF SITE	2	2
ROADSIDE & VERGES 8.3 RAISE AWARENESS	1	0
Total	24	19

BIRDS	2008 Actions	2009 Actions
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 POPULATIONS	3	1
GARDENS BIRDS 8.2 RECORDING THIS SPECIES	1	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	0
SKYLARK 8.4 RAISE AWARENESS	0	0
Total	4	1
INVERTEBRATES		
HEATH FRITILLARY BUTTERFLY 8.1 MAINTAIN BELFAIRS POPULATION	2	1
HEATH FRITILLARY BUTTERFLY 8.2 MONITOR POPULATIONS IN BELFAIRS	1	0
HEATH FRITILLARY BUTTERFLY 8.3 INCREASE THE POPULATION	1	0
HEATH FRITILLARY BUTTERFLY 8.4 RAISE AWARENESS	4	0
SHRILL CARDER BEE 8.1 MAINTAIN CURRENT RANGE OF SPECIES	0	0
SHRILL CARDER BEE 8.2 MONITOR POPULATIONS	0	0
SHRILL CARDER BEE 8.3 RAISE AWARENESS	0	1
STAG BEETLE 8.1 MAINTAIN CURRENT POPULATIONS	0	0
STAG BEETLE 8.2 SURVEY & MONITOR THIS SPECIES	0	0
STAG BEETLE 8.3 INCREASE POPULATION STATUS	4	0
STAG BEETLE 8.4 RAISE AWARENESS	0	0
Total	12	2

MAMMALS		
BATS 8.1 IDENTIFY CURRENT POPULATION DISTRIBUTION	0	0
BATS 8.2 MAINTAIN CURRENT POPULATION	2	1
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 DISTRIBUTION	1	1
DORMOUSE 8.2 HALT FURTHER DECLINE OF THIS SPECIES	0	0
DORMOUSE 8.3 ENCOURAGE THE INCREASE OF SPECIES BY HABITAT CREATION	0	0
DORMOUSE 8.4 RAISE AWARENESS	0	0
WATERVOLE 8.1 IDENTIFY & PROTECT THIS SPECIES	0	1
WATERVOLE 8.2 INCREASE SPECIES POPULATION RANGE	0	2
WATERVOLE 8.3 MONITOR POPULATION STATUS	0	0
WATERVOLE 8.4 RAISE AWARENESS	0	0
Total	3	5
OTHER VERTEBRATES		
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	2	0
REPTILE 8.2 MONITOR POPULATION	0	0
REPTILE 8.3 ENCOURAGE INCREASED POPULATION	0	0
REPTILE 8.4 RAISE AWARENESS	0	0
Total	2	0
BLACK POPLAR		
BLACK POPLAR 8.1 PROTECTING OF EXISTING SPECIES	0	0
BLACK POPLAR 8.2 INCREASE THE NUMBER OF THIS SPECIES	1	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	0	0
DEPTFORD PINK 8.3 RAISE AWARENESS	0	0
Total	1	0

End.

February 2010