

Southend-on-Sea Local Biodiversity Action Plan Annual Report for 2013

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



Contents Page

1. Southend's Local Biodiversity Action Plan (BAP) Introduction
2. Biodiversity Action Plan Key Points
3. Meeting the Local Biodiversity **Action** Plan in 2013
 - 3.1 Habitat Action Plans - Aquatic
 - 3.2 Habitat Action Plans - Terrestrial
 - 3.3 Habitat Action Plans - Urban
 - 3.4 Species Action Plans – Birds
 - 3.5 Species Action Plans - Invertebrates
 - 3.6 Species Action Plans - Mammals
 - 3.7 Species Action Plans - Other Vertebrates
 - 3.8 Species Action Plans - Plants and Trees
4. Biodiversity Action Plan 2013 **Species Records**
 - 4.1 Habitat Action Plans - Aquatic
 - 4.2 Habitat Action Plans - Terrestrial
 - 4.3 Habitat Action Plans - Urban
 - 4.4 Species Action Plans - Birds
 - 4.5 Species Action Plans - Invertebrates
 - 4.6 Species Action Plans - Mammals
 - 4.7 Species Action Plans - Other Vertebrates
 - 4.8 Species Action Plans – Trees and Plants
5. **Summary** of Southend's Local Biodiversity Actions met during 2013

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/downloads/download/138/local_biodiversity_action_plan

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 2013.
- The second section of this report is a record of BAP data collected in 2013.

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 – 2012) can also be found on Southend Council's web site.

http://www.southend.gov.uk/downloads/download/138/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 2013. 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 2013.
- **Section 5** is a short summary that compares the total number of *Actions* that have been met for each Action Plan during 2013.

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 2013 include:-

- | | |
|---------------------|--------------------|
| - Brackish Lagoon | - Ponds and Lakes |
| - Woodland | - Allotments |
| - Skylark | - Heath Fritillary |
| - Shrill Carder Bee | - Bats |
| - Reptiles | - Dormouse |

Those Action Plans that did not receive any recorded actions during 2013 include:-

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

SECTION 3 Meeting the Local Biodiversity Action Plan in 2013

The following list identifies those objectives met during 2013.

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	Installing 100 Brushwood faggotts for stabilisation	Two Tree Island	30/06/2013		22	5000	8.1

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

No recorded actions during 2013

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
Essex Wildlife Trust	Installation of 2 small freshwater ponds	Two Tree Island	08/09/2013		3	5	8.1, 8.2, 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

No recorded actions during 2013

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

No recorded actions during 2013

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

No recorded actions during 2013

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 2013

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 2013

Arable Land and Field Margins

Objective 8.1 Protection of this habitat

Objective 8.2 Raise awareness

No recorded actions during 2013

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 2013

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

No recorded actions during 2013

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

No recorded actions during 2013

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
Conservation Group	Bracken pulling	Dodds Grove	26/01/2013		8		8.1
DonDown (SENHS) & friend	Coppicing	Dodds Grove	12/03/2013		2		8.1, 8.2
Don Down & Southend Conservation Group	Bracken pulling	Dodds Grove	02/06/2013		8		8.1
Don Down	Bracken pulling	Dodds Grove	01/07/2013		1		8.1
Don Down & Butterfly Conservation Group	Cutting down trees and coppicing.	Dodds Grove	10/11/2013		9		8.1, 8.2
Essex Wildlife Trust	45 work party days – tasks include: butterfly habitat improvement works, ride access improvements and heath fritillary habitat improvement	Belfairs Nature Reserve	2013		8		8.1, 8.2, 8.3, 8.4

	works (most notable is the introduction of short rotation coppicing along the main ride)						
Essex Wildlife Trust	35 work party days – tasks include: butterfly habitat improvement works, ride access improvements, coppicing	Belfairs Park Wood	2013		8		8.1, 8.2, 8.3, 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 of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Leigh-on-Sea Allotments and Leisure Gardeners Association	Log pile project purchased various log sizes from Belfairs Park to create habitat piles	Leigh Allotments	24/10/2013				8.2
Women's Environmental Network	Environmental allotment plot in South-west corner	Manchester Drive Allotments	2013				8.2

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

No recorded actions during 2013

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

No recorded actions during 2013

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

No recorded actions during 2013

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 2013

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 2013

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 2013

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

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	Installation of 2 small freshwater ponds	Two Tree Island	08/09/2013		10	5	8.1, 8.3
Essex Wildlife Trust	Erection of dead hedges to prevent public access to Skylark & Adder breeding area	Two Tree Island	09/06/2013		12	400	8.1, 8.2

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 Area Affected	Objective
Essex Wildlife Trust	Transect surveys	Belfairs Park and Nature Reserve	Spring/ Summer 2013		8		8.2

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 Area Affected	Objective
Essex Wildlife Trust	Construction of hibernacula/beetle banks using material gained from clearance of path edges	Two Tree Island	13/01/2013		6	12	8.1

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 2013

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 of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Essex Wildlife Trust	Bat survey over 3 evenings	Belfairs Park and Nature Reserve	2013				8.1

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 2013

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 of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Essex Wildlife Trust	Dormouse surveys over 3 days	Belfairs Park and Nature Reserve	2013				8.1, 8.4
Southend Dormouse Group	Dormouse surveys monthly	Belfairs Park, Nature Reserve and Dodds Grove	2013		6		8.1, 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

No recorded action during 2013

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 2013

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

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	Installation of 2 small freshwater ponds	Two Tree Island	08/09/2013		10	5	8.3, 8.4
Essex Wildlife Trust	Construction of hibernacula/beetle banks using material gained from clearance of path edges	Two Tree Island	13/01/2013		6	12	8.1, 8.3, 8.4
Essex Wildlife Trust	Erection of dead hedges to prevent public access to Skylark & Adder breeding area	Two Tree Island	09/06/2013		12	400	8.1

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 2013

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

Name / Department	Brief Description of Activity	Location	Date of activity	Number of Young Volunteers	Number of Adult Volunteers	Estimate Area Affected	Objective
Don Down	Planting 20 Deptford Pinks	Belton Hills	12/08/2013				8.2

SECTION 4 Biodiversity Action Plan Species Records 2013

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 2013.

4.1 HABITAT ACTION PLAN - AQUATIC

Brackish Lagoon

No data recorded during 2013

Intertidal Mudflats and Sandflats

No data recorded during 2013

Ponds and Lakes

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
PL133	Pond skaters	<i>Gerris lacustris</i>		J Longhurst	J Longhurst	17/05/2013	Leigh Allotments		

Reedbeds and Marsh

No data recorded during 2013

Rivers, Streams and Drainage Ditches

No data recorded during 2013

Saltmarsh

No data recorded during 2013

Seagrass beds

No data recorded during 2013

4.2 HABITAT ACTION PLANS – TERRESTRIAL

Ancient and Veteran Trees

No data recorded during 2013

Arable Land and Field Margins

No data recorded during 2013

Hedgerows

No data recorded during 2013

Natural Grasslands

No data recorded during 2013

Traditional Orchard

No data recorded during 2013

Woodlands

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
W303	Large Skipper	<i>Ochlodes sylvanus</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Dodds Grove	TQ 81688 87929	
W304	Heath Fritillary	<i>Melitaea athalia</i>	9	Ashley Pinnock	Ashley Pinnock	Jul-13	Dodds Grove	TQ 81688 87929	
W305	Ringlet	<i>Aphantopus hyperantus</i>	3	Ashley Pinnock	Ashley Pinnock	Jul-13	Dodds Grove	TQ 81688 87929	
W306	Meadow Brown	<i>Maniola jurtina</i>	2	Ashley Pinnock	Ashley Pinnock	Jul-13	Dodds Grove	TQ 81688 87929	Male
W307	Speckled Wood	<i>Pararge Aegeria</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Dodds Grove	TQ 81688 87929	
W308	Grass Snake	<i>Natrix natrix</i>		Ashley Pinnock	Ashley Pinnock	19/08/2013	Dodds Grove	TQ 81752 87896	
W309	Treecreeper	<i>Certhia familiaris</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Nature Reserve		
W310	Great Spotted Woodpecker	<i>Dendrocopos major</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Nature Reserve		
W311	Goldfinch	<i>Carduelis carduelis</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Nature Reserve		
W312	Greenfinch	<i>Carduelis chloris</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Nature Reserve		
W313	Wren	<i>Troglodytes troglodytes</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Nature Reserve		
W314	Green Woodpecker	<i>Picus viridis</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W315	Jay	<i>Garrulus glandarius</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W316	Goldfinch	<i>Carduelis carduelis</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		

W317	Chiffchaff	<i>Phylloscopus collybita</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W318	Blue Tit	<i>Cyanister caeruleus</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W319	Great Tit	<i>Parus major</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W320	Wood Pigeon	<i>Coluba Palumbus</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W321	Wren	<i>Troglodytes troglodytes</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W322	Robin	<i>Erithacus rubecula</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W323	Magpie	<i>Pica pica</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W324	Black Cap	<i>Sylvia atricapilla</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W325	Black Bird	<i>Tardus merula</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W326	Song Thrush	<i>Turdus philomelos</i>	1	Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		Singing
W327	Sparrow Hawk	<i>Accipiter nisus</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W328	Jay	<i>Garrulus glandarius</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W329	Carrion Crow	<i>Corvus corone</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W330	Chiffchaff	<i>Phylloscopus collybita</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W331	Blue Tit	<i>Cyanister caeruleus</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W332	Great Tit	<i>Parus major</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W333	Wood Pigeon	<i>Coluba Palumbus</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		

W334	Wren	<i>Troglodytes troglodytes</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W335	Robin	<i>Erithacus rubecula</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W336	Magpie	<i>Pica pica</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W337	Black Cap	<i>Sylvia atricapilla</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W338	Black Bird	<i>Turdus merula</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W339	Song Thrush	<i>Turdus philomelos</i>	1	Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		Singing
W340	Green Woodpecker	<i>Picus viridis</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W341	Great Spotted Woodpecker	<i>Dendrocpes major</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W342	Treecreeper	<i>Certhia familiaris</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W343	Jay	<i>Garrulus glandarius</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W344	Carrion Crow	<i>Corvus corone</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W345	Wren	<i>Troglodytes troglodytes</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W346	Tree Creeper	<i>Certhia familiaris</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve		
W347	Sparrowhawk	<i>Accipiter nisus</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve	TQ 82303 87853	Juveniles
W348	Longtailed Tits	<i>Aegithalus caudatus</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve		
W349	Tree Creeper	<i>Certhia familiaris</i>		Ashley Pinnock	Ashley Pinnock	Nov-13	Belfairs Nature Reserve		
W350	Grey Wagtail	<i>Motacilla cinerea</i>	2	Ashley Pinnock	Ashley Pinnock	Nov-13	Belfairs Nature Reserve		

W351	Comma	<i>Polygonia c-album</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W352	Brimstone	<i>Gonepteryx rhamni</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W353	Holly Blue	<i>Celastrina argiolus</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W354	Peacock	<i>Pyrus communis</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W355	Orange Tip	<i>Anthocharis cardamines</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W356	Speckled Wood	<i>Pararge Aegeria</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W357	Brimstone	<i>Gonepteryx rhamni</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W358	Green Veined White	<i>Pieris napi</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W359	Heath Fritillary Larvae	<i>Melitaea athalia</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve	TQ 81915 87877	
W360	Heath Fritillary Larvae	<i>Melitaea athalia</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve	TQ 81896 87881	
W361	Speckled Wood	<i>Pararge Aegeria</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve		
W362	Brimstone	<i>Gonepteryx rhamni</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81896 87881	
W363	Green Veined White	<i>Pieris napi</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve		
W364	Heath Fritillary	<i>Melitaea athalia</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81896 87881	
W365	Comma	<i>Polygonia c-album</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81915 87877	
W366	Brimstone Larvae	<i>Gonepteryx rhamni</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81896 87881	
W367	Ringlet	<i>Aphantopus hyperantus</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81896 87881	

W368	Meadow Brown	<i>Maniola jurtina</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81896 87881	
W369	Holly Blue	<i>Celastrina argiolus</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81896 87881	
W370	Large Skipper	<i>Ochlodes sylvanus</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81896 87881	
W371	Ringlet	<i>Aphantopus hyperantus</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81896 87881	
W372	Heath Fritillary	<i>Melitaea athalia</i>	9	Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81896 87881	
W373	Speckled Wood	<i>Pararge Aegeria</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W374	Large Skipper	<i>Ochlodes sylvanus</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81896 87881	
W375	Six Spot Burnet	<i>Zygaena filipendulae</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81896 87881	
W376	White Admiral	<i>Limenitis camilla</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81873 87855	
W377	Small Tortoiseshell	<i>Aglais urticae L.</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81762 87461	
W378	Brimstone	<i>Gonepteryx rhamni</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 82195 87743	
W379	Red Admiral	<i>Vanessa atalanta</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 82317 87680	
W380	Ringlet	<i>Aphantopus hyperantus</i>	30	Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W381	Meadow Brown	<i>Maniola jurtina</i>	30	Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W382	Small Skipper	<i>Thymelicus linecola</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 82159 87772	
W383	White Admiral	<i>Limenitis camilla</i>	10	Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W384	Purple Hairstreak	<i>Neozephyrus quercus</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81933 87648	Male

W385	Purple Hairstreak	<i>Neozephyrus quercus</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve	TQ 81698 87841	Male
W386	Brown Argus	<i>Aricia agestis</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve	TQ 81961 87807	Male
W387	White Admiral	<i>Limenitis camilla</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve	TQ 81698 87841	
W388	GateKeeper	<i>Pyronia tithonus</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve		
W389	Brown Argus	<i>Aricia agestis</i>	2	Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve	TQ 81961 87807	Male
W390	Purple Hairstreak	<i>Neozephyrus quercus</i>	3	Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve		
W391	Silver-washed Fritillary	<i>Argynnis paphia</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve	TQ 81896 87881	Male
W392	Great Diving Beetle	<i>Dytiscus marginalis</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve	TQ 8163 8771	
W393	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve	TQ 81738 87852	
W394	Bee Fly	<i>Bombylius major</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W395	Wood Ants	<i>Formica spp</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W396	Acorn Weevil	<i>Curculio spp</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W397	Broadbodied Chaser	<i>Libellula depressa</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81937 87864	Female
W398	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81900 87873	
W399	Azure Damselfly	<i>Coenagrion puella</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81896 87881	
W400	Black-and-yellow Longhorn Beetle	<i>Rutpela maculata</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve		

W401	Wasp Beetle	<i>Clytus arietis</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve		
W402	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81937 87864	Female
W403	Broadbodied Chaser	<i>Libellula depressa</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81937 87864	Female
W404	Southern Hawker	<i>Aeshna cyanea</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		Female
W405	Southern Hawker	<i>Aeshna cyanea</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		Female
W406	Ruddy Darter	<i>Sympetrum sanguineum</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		Female
W407	Brown Hawker	<i>Aeshna grandis</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W408	Southern Hawker	<i>Aeshna cyanea</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve		Female
W409	Common Darter	<i>Sympetrum striolatum</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve		Male
W410	Migrant Hawkers	<i>Aeshna mixta</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve		
W411	Lesser Stag Beetle	<i>Dorcus parallelipedus</i>		Ashley Pinnock	Ashley Pinnock	Oct-13	Belfairs Nature Reserve		
W412	Slow worm	<i>Anguis fragilis</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81764 87476	Female
W413	Newt Efts			Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81849 87464	
W414	Slow worm	<i>Anguis fragilis</i>		Ashley Pinnock	Ashley Pinnock	Oct-13	Belfairs Nature Reserve		
W415	Common Dog Violet	<i>Viola riviniana</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W416	Wood Spurge	<i>Euphorbia amygdaloides</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		

W417	Wood Anemone	<i>Anemone nemorosa</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W418	Greater Stitchwort	<i>Stellaria holostea</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Nature Reserve		
W419	Common Dog Violet	<i>Viola riviniana</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W420	Wood Spurge	<i>Euphorbia amygdaloides</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W421	Wood Anemone	<i>Anemone nemorosa</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W422	Greater Stitchwort	<i>Stellaria holostea</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W423	Common Cow Wheat	<i>Melampyrum pratense</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W424	Lesser Celendine	<i>Ranunculus ficaria</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W425	Herb Robert	<i>Geranium robertianum</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W426	Wood Avens	<i>Geum urbanum</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W427	Ribwort Plantain	<i>Plantago lanceolata</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W428	Great Plantain	<i>Plantago major</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W429	Bluebells	<i>Hyacinthoides non-scripta</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve		
W430	Heath Speedwell	<i>Veronica officinalis</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve		
W431	Yellow Pimpernal	<i>Lysimachia nemorum</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve		
W432	Perforate St Johns Wort	<i>Hypericum perforatum</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve		

W433	Marsh Thistle	<i>Cirsium palustre</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve		
W434	Broad leaved hellborine	<i>Epipactis helleborine</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W435	Enchanters Knightshade	<i>Circaea lutetiana</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W436	Lesser Stitchwort	<i>Stellaria graminea</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W437	Hedge Woundwort	<i>Stachys sylvatica</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W438	Birdsfoot Trefoil	<i>Lotus corniculatus</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W439	Greater Birdsfoot Trefoil	<i>Lotus pedunculatus</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W440	Figwort	<i>Scrophularia spp.</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W441	Nipplewort	<i>Lapsana communis</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve		
W442	Wood Sorrel	<i>Oxalis acetosella</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve	TQ 81697 87822	
W443	Golden Rod	<i>Canadian Goldenrod</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve	TQ 81950 87793	
W444	Wild Angelica	<i>Angelica sylvestris</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve		
W445	Common Fleabane	<i>Pulicaria dysenterica</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Nature Reserve		

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
A53	Red Fox	<i>Vulpes vulpes</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A54	Grey Squirrel	<i>Sciurus carolinensis</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A55	Brown Rat	<i>Ratus norvegicus</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A56	Wood mouse	<i>Apodemus sylvaticus</i>		J Longhurst	J Longhurst	11/08/2013	Leigh Allotments		
A57	Wood pigeon	<i>Coluba Palumbus</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A58	Collard Dove	<i>Streptopeli a decaocto</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A59	Magpie	<i>Pica pica</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A60	Jay	<i>Garrulus glandarius</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A61	Black bird	<i>Tardus merula</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A62	Starling	<i>Stumus vulgaris</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A63	House sparrow	<i>Passer domesticus</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A64	Great tit	<i>Parus major</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year

A65	Blue tit	<i>Cyanister caeruleus</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A66	Long-tailed tit	<i>Aegithalus caudatus</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A67	Robin	<i>Erithacus rubecula</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A68	Wren	<i>Troglodytes troglodytes</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A69	Dunnock	<i>Prunelia modularis</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A70	Carrion crow	<i>Corvus corone</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A71	Jackdaw	<i>Corvus monedula</i>		J Longhurst	J Longhurst	2013	Leigh Allotments		Present all year
A72	Green Woodpecker	<i>Picus viridis</i>	2	J Longhurst	J Longhurst	17/03/2013	Leigh Allotments		Pair
A73	Green Woodpecker	<i>Picus viridis</i>	3	J Longhurst	J Longhurst	21/07/2013	Leigh Allotments		Adult with two juveniles
A74	Starling	<i>Sturnus vulgaris</i>	150+	J Longhurst	J Longhurst	31/03/2013	Leigh Allotments		Day time roost
A75	Cuckoo	<i>Cuculus canorus</i>		J Longhurst	J Longhurst	14/04/2013	Leigh Allotments		Heard
A76	Chaffinch	<i>Fringilla coelebs</i>		J Longhurst	J Longhurst	31/03/2013	Leigh Allotments		
A77	Greenfinch	<i>Carduelis chloris</i>		J Longhurst	J Longhurst	14/04/2013	Leigh Allotments		
A78	Song thrush	<i>Turdus philomelos</i>		J Longhurst	J Longhurst	28/04/2013	Leigh Allotments		
A79	Great spotted woodpecker	<i>Dendrocopos major</i>		J Longhurst	J Longhurst	26/05/2013	Leigh Allotments		
A80	Goldfinch	<i>Carduelis carduelis</i>	12	J Longhurst	J Longhurst	02/09/2013	Leigh Allotments		
A81	Slow worm	<i>Anguis fragilis</i>		Alan Ashdown	J Longhurst	23/05/2013	Leigh Allotments		Present all year

A82	Common frog	<i>Rana Temporaria</i>		J Longhurst	J Longhurst	31/03/2013	Leigh Allotments		Spawn
A83	Common frog	<i>Rana Temporaria</i>	3	J Longhurst	J Longhurst	14/04/2013	Leigh Allotments		
A84	Common frog	<i>Rana Temporaria</i>		J Longhurst	J Longhurst	26/05/2013	Leigh Allotments		Tadpoles
A85	White lipped snail	<i>Cepaea hortensis</i>		J Longhurst	J Longhurst	14/04/2013	Leigh Allotments		
A86	Brown lipped snail	<i>Cepaea nemoralis</i>		J Longhurst	J Longhurst	14/04/2013	Leigh Allotments		
A87	Garden snail	<i>Cornu aspersum</i>		J Longhurst	J Longhurst	14/04/2013	Leigh Allotments		
A88	Small tortoiseshell	<i>Aglaia urticae L.</i>		J Longhurst	J Longhurst	14/04/2013	Leigh Allotments		
A89	Holly blue	<i>Celastrina argiolus</i>		J Longhurst	J Longhurst	26/05/2003	Leigh Allotments		
A90	Large cabbage white	<i>Pieris brassicae</i>		J Longhurst	J Longhurst	26/05/2003	Leigh Allotments		
A91	Small cabbage white	<i>Pieris rapae</i>		J Longhurst	J Longhurst	26/05/2003	Leigh Allotments		
A92	Marbled white	<i>Melanargia galathea</i>		Ian Brown	Ian Brown	17/07/2013	Leigh Allotments		
A93	Small skipper	<i>Thymelicus linecola</i>		J Longhurst	Ian Brown	21/07/2013	Leigh Allotments		
A94	Meadow brown	<i>Maniola jurtina</i>		J Longhurst	Ian Brown	21/07/2013	Leigh Allotments		
A95	Small cabbage white	<i>Pieris rapae</i>		J Longhurst	Ian Brown	21/07/2013	Leigh Allotments		
A96	Gate keeper	<i>Pyronia tithonus</i>		J Longhurst	J Longhurst	11/08/2013	Leigh Allotments		
A97	Speckled wood	<i>Pararge Aegeria</i>		J Longhurst	J Longhurst	12/08/2013	Leigh Allotments		
A98	Peacock	<i>Pyrus communis</i>		J Longhurst	J Longhurst	05/10/2013	Leigh Allotments		

A99	Yellow meadow ants	<i>Lasius flavus</i>		J Longhurst	J Longhurst	Summer 2013	Leigh Allotments		Present all summer
A100	Honey bee	<i>Apis mellifera</i>		John & Audrey Sheehy	Dan Golding	26/05/2013	Leigh Allotments		Swarm

Churchyards and Cemeteries

No data recorded during 2013

Gardens in Urban Areas

No data recorded during 2013

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
PPOS5 01	Mistle Thrush	<i>Turdus viscivorus</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Park		
PPOS5 02	Redwing	<i>Turdus iliacus</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Park		
PPOS5 03	Dunnock	<i>Prunella modularis</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Park		
PPOS5 04	Greenfinch	<i>Carduelis chloris</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Park		

PPOS5 05	Robin	<i>Erithacus rubecula</i>		Ashley Pinnock	Ashley Pinnock	Jan-13	Belfairs Park		
PPOS5 06	Great Spotted Woodpecker	<i>Dendrocopos major</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 07	Blackbird	<i>Turdus merula</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 08	Chaffinch	<i>Fringilla coelebs</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 09	Goldfinch	<i>Carduelis carduelis</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 10	Nuthatch	<i>Sitta europaea</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 11	Tree Creeper	<i>Certhia familiaris</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 12	Blue Tit	<i>Cyanister caeruleus</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 13	Great Tit	<i>Parus major</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 14	Carrion Crow	<i>Corvus corone</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 15	Magpie	<i>Pica pica</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 16	Green Woodpecker	<i>Picus viridis</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 17	Redwing	<i>Turdus iliacus</i>	15	Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 18	Jay	<i>Garrulus glandarius</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 19	Dunnock	<i>Prunella modularis</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 20	Robin	<i>Erithacus rubecula</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 21	Longtailed Tit	<i>Aegithalus caudatus</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		Flock

PPOS5 22	Sparrow hawk	<i>Accipiter nisus</i>		Ashley Pinnock	Ashley Pinnock	Feb-13	Belfairs Park		
PPOS5 23	Gold Crest	<i>Regulus regulus</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 24	Redwing	<i>Turdus iliacus</i>	2	Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 25	Great Spotted Woodpecker	<i>Dendrocpe s major</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 26	Green wood Pecker	<i>Picus viridis</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 27	Blue Tit	<i>Cyanister caeruleus</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 28	Great Tit	<i>Parus major</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 29	Black Bird	<i>Tardus merula</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 30	Jay	<i>Garrulus glandarius</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 31	Carrion Crow	<i>Corvus corone</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 32	Wood Pigeon	<i>Columba palumbus</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 33	Magpie	<i>Pica pica</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 34	Robin	<i>Erithacus rubecula</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 35	Redwing	<i>Turdus iliacus</i>	20	Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 36	Greenfinch	<i>Carduelis chloris</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park	TQ 8336 8769	
PPOS5 37	Goldfinch	<i>Carduelis carduelis</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park	TQ 8336 8769	
PPOS5 38	Song Thrush	<i>Turdus philomelos</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park	TQ 8336 8769	

PPOS5 39	Mistle Thrush	<i>Turdus viscivorus</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park	TQ 8324 8763	
PPOS5 40	Redwing	<i>Turdus iliacus</i>	1	Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park	TQ 8336 8769	Flock
PPOS5 41	Mistle Thrush	<i>Turdus viscivorus</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park	TQ 8281 8758	
PPOS5 42	Sparrow hawk	<i>Accipiter nisus</i>		Ashley Pinnock	Ashley Pinnock	Mar-13	Belfairs Park		
PPOS5 43	Sparrow Hawk	<i>Accipiter nisus</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 44	Redwing	<i>Turdus iliacus</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 45	Mistle Thrush	<i>Turdus viscivorus</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 46	Great Spotted Woodpecker	<i>Dendrocpe s major</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 47	Green Woodpecker	<i>Picus viridis</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 48	Blue Tit	<i>Cyanister caeruleus</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 49	Great Tit	<i>Parus major</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 50	Black Bird	<i>Tardus merula</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 51	Jay	<i>Garrulus glandarius</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 52	Carrion Crow	<i>Corvus corone</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 53	Wood Pigeon	<i>Columba palumbus</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 54	Magpie	<i>Pica pica</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 55	Robin	<i>Erithacus rubecula</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		

PPOS5 56	Wren	<i>Troglodytes troglodytes</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 57	Goldfinch	<i>Carduelis carduelis</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 58	Black Cap	<i>Sylvia atricapilla</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 59	Tree Creeper	<i>Certhia familiaris</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park	TQ 8241 8786	
PPOS5 60	Sparrow Hawk	<i>Accipiter nisus</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 61	Mistle Thrush	<i>Turdus viscivorus</i>	8	Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		4 pairs
PPOS5 62	Great Spotted Woodpecker	<i>Dendrocopos major</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 63	Green Woodpecker	<i>Picus viridis</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 64	Blue Tit	<i>Cyanister caeruleus</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 65	Great Tit	<i>Parus major</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 66	Black Bird	<i>Turdus merula</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 67	Jay	<i>Garrulus glandarius</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 68	Carrion Crow	<i>Corvus corone</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 69	Wood Pigeon	<i>Columba palumbus</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 70	Magpie	<i>Pica pica</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 71	Robin	<i>Erithacus rubecula</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 72	Wren	<i>Troglodytes troglodytes</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		

PPOS5 73	Goldfinch	<i>Carduelis carduelis</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 74	Black Cap	<i>Sylvia atricapilla</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 75	Tree Creeper	<i>Certhia familiaris</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park	TQ 8291 8742	
PPOS5 76	Chiffchaff	<i>Phylloscop us collybita</i>		Ashley Pinnock	Ashley Pinnock	May-14	Belfairs Park		
PPOS5 77	Sparrow hawk	<i>Accipiter nisus</i>		Ashley Pinnock	Ashley Pinnock	Aug-14	Belfairs Park		
PPOS5 78	Chaffinch	<i>Fringilla coelebs</i>		Ashley Pinnock	Ashley Pinnock	Aug-14	Belfairs Park		
PPOS5 79	Carrion Crow	<i>Corvus corone</i>		Ashley Pinnock	Ashley Pinnock	Aug-14	Belfairs Park		
PPOS5 80	Sparrowhawk	<i>Accipiter nisus</i>		Ashley Pinnock	Ashley Pinnock	Aug-14	Belfairs Park	TQ 82724 87729	Calling juveniles
PPOS5 81	Sparrow Hawk	<i>Accipiter nisus</i>		Ashley Pinnock	Ashley Pinnock	Dec-14	Belfairs Park		
PPOS5 82	Song Thrush	<i>Turdus philomelos</i>		Ashley Pinnock	Ashley Pinnock	Dec-14	Belfairs Park		
PPOS5 83	Noctule Bat	<i>Nyctalus noctula</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS5 84	Common Pipistrell	<i>Pipistrellus pipistrellus</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS5 85	Soprano Pipistrell	<i>Pipistrellus pygmaeus</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS5 86	Badger	<i>Meles meles</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS5 87	Fox	<i>Vulpes vulpes</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS5 88	Comma	<i>Polygonia c-album</i>		Ashley Pinnock	Ashley Pinnock	05/03/2013	Belfairs Park		
PPOS5 89	Peacock	<i>Pyrus communis</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		

PPOS5 90	Brimstone	<i>Gonepteryx rhamni</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 91	Peacock	<i>Pyrus communis</i>		Ashley Pinnock	Ashley Pinnock	Apr-13	Belfairs Park		
PPOS5 92	Orange Tip	<i>Anthocharis cardamines</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Park		
PPOS5 93	Gren-veined White	<i>Pieris napi</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Park		
PPOS5 94	Large White	<i>Pieris brassicae</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Park		
PPOS5 95	Holly Blue	<i>Celastrina argiolus</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Park		
PPOS5 96	Speckled Woods	<i>Pararge Aegeria</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Park		
PPOS5 97	Peacock Butterfly	<i>Pyrus communis</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		Larvae on nettle near Works Yard
PPOS5 98	Large Skipper	<i>Ochlodes sylvanus</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS5 99	Small Skipper	<i>Thymelicus linecola</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 00	Meadow Brown	<i>Maniola jurtina</i>	20	Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		Golf course
PPOS6 01	Small Tortoiseshell	<i>Aglais urticae L.</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		near grounds maintenance yard on nettles
PPOS6 02	Comma	<i>Polygonia c-album</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 03	Speckled Wood	<i>Pararge Aegeria</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 04	Marbled White	<i>Melanargia galathea</i>	5	Ashley Pinnock	Ashley Pinnock	12/07/2013	Belfairs Park	(TQ 83075 87472)	
PPOS6 05	Small Tortoiseshell	<i>Aglais urticae L.</i>		Ashley Pinnock	Ashley Pinnock	12/07/2013	Belfairs Park	TQ 83075 87472	

PPOS6 06	Small & Large Skipper	<i>Ochlodes sylvanus</i>	30	Ashley Pinnock	Ashley Pinnock	12/07/2013	Belfairs Park	TQ 83075 87472	
PPOS6 07	Blotched Emerald Moth	<i>Comibaena bajularia</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 08	Marbled White	<i>Melanargia galathea</i>	10	Ashley Pinnock	Ashley Pinnock	19/07/2013	Belfairs Park	TQ 83075 87472	
PPOS6 09	Meadow Brown	<i>Maniola jurtina</i>	20	Ashley Pinnock	Ashley Pinnock	19/07/2013	Belfairs Park	TQ 83075 87472	
PPOS6 10	Small & Large Skipper	<i>Ochlodes sylvanus</i>	50	Ashley Pinnock	Ashley Pinnock	19/07/2013	Belfairs Park	TQ 83075 87472	
PPOS6 11	Green-veined White	<i>Pieris napi</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 12	Ringlet	<i>Aphantopus hyperantus</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 13	Small white	<i>Pieris rapae</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 14	Purple Hairstreak	<i>Neozephyrus quercus</i>		Ashley Pinnock	Ashley Pinnock	25/07/2013	Belfairs Park	TQ 82797 87670	Female
PPOS6 15	Marbled White	<i>Melanargia galathea</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 16	Small Skipper	<i>Thymelicus linecola</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 17	Meadow Brown	<i>Maniola jurtina</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 18	Comma	<i>Polygonia c-album</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 19	Peacock	<i>Pyrus communis</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 20	Large White	<i>Pieris brassicae</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 21	Small White	<i>Pieris rapae</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 22	Green-veined White	<i>Pieris napi</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		

PPOS6 23	Gate Keeper	<i>Pyronia tithonus</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 24	Purple Hairstreak	<i>Neozephyrus quercus</i>	8	Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park	TQ 83252 87433	
PPOS6 25	Small Tortoiseshell	<i>Aglais urticae L.</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 26	Brown Hawker	<i>Aeshna grandis</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 27	Ruddy Darter	<i>Sympetrum sanguineum</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 28	Broadbodied Chaser	<i>Libellula depressa</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 29	Common Darter	<i>Sympetrum striolatum</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park		
PPOS6 30	Roesells Cricket	<i>Metrioptera roeselii</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 31	Migrant Hawker	<i>Aeshna mixta</i>	10	Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park	TQ 83252 87433	
PPOS6 32	Ragged Robin	<i>Lychnis flos-cuculi</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Park	TQ 82990 87607	
PPOS6 33	Forsters Wood Rush	<i>Lazula forsteri</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Park	TQ 82626 87568	
PPOS6 34	Broadleaf Helleborine	<i>Epipactis helleborine</i>	8	Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Park	TQ 82441 87902	
PPOS6 35	Broadleaf Helleborine	<i>Epipactis helleborine</i>	12	Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park	TQ 82530 88235	
PPOS6 36	Scarlet Pimpernel	<i>Anagallis arvensis</i>		Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Park	TQ 83041 87467	
PPOS6 37	Common Fleabane	<i>Pulicaria dysenterica</i>		Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		
PPOS6 38	Lesser Hairy Willowherb			Ashley Pinnock	Ashley Pinnock	Aug-13	Belfairs Park		

Roadsides and Verges

No data recorded during 2013

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
DBBG7	Brent Goose	<i>Branta bernicla</i>	5000	M.Bridges	M.Bridges	27/10/2013	TwoTree Island	TQ826850	

Garden Birds

Record number	Common name	Scientific name	Quantity	Name who witnessed the species	Name who verified the species	Date	Location	Grid ref	Comment
GB1	Cuckoo	<i>Cuculus canorus</i>	1	Daniel Poole		03/06/2013	Friars Park		

Skylark

Record number	Common name	Scientific name	Quantity	Name who witnessed the species	Name who verified the species	Date	Location	Grid ref	Comment
S8	Skylark	<i>Alauda arvensis</i>	6	M Bridges	M Bridges	08/05/2013	Two Tree Island	TQ818848	

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
HF67	Heath Fritillary Larvae	<i>Melitaea athalia</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve	TQ 81915 87877	
HF68	Heath Fritillary Larvae	<i>Melitaea athalia</i>		Ashley Pinnock	Ashley Pinnock	May-13	Belfairs Nature Reserve	TQ 81896 87881	
HF69	Heath Fritillary	<i>Melitaea athalia</i>		Ashley Pinnock	Ashley Pinnock	Jun-13	Belfairs Nature Reserve	TQ 81896 87881	
HF70	Heath Fritillary	<i>Melitaea athalia</i>	9	Ashley Pinnock	Ashley Pinnock	Jul-13	Belfairs Nature Reserve	TQ 81896 87881	

Shrill Cader Bee

No data recorded during 2013

Stag Beetle

No data recorded during 2013

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
B10	Pipistrelle Bat	<i>Pipistrellus pipistrellus</i>	100+	M.Bridges	M Bridges	14/08/2013	TwoTree Island	TQ830853	
B11	Noctule Bat	<i>Nyctalus noctula</i>	5	M.Bridges	M Bridges	14/08/2013	TwoTree Island	TQ830853	

Cetaceans

No data recorded during 2013

Dormouse

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
D40	Dormouse	<i>Muscardinus avellanarius</i>	8	Karen Bigmore	Sue Portsmouth	18/05/2013	Belfairs Nature Reserve		
D41	Dormouse	<i>Muscardinus avellanarius</i>	25	Karen Bigmore	Sue Portsmouth	15/06/2013	Belfairs Nature Reserve		

D42	Dormouse	<i>Muscardinus avellanarius</i>	25+	Karen Bigmore	Sue Portsmouth	20/07/2013	Belfairs Nature Reserve	Box 57 had very tiny pink babies deep in nest, at least 2 were seen, but there could have been more.
D43	Dormouse	<i>Muscardinus avellanarius</i>	36	Sue Portsmouth	Norma Mills	17/08/2013	Belfairs Nature Reserve	Old bird nests removed, except where being used by dormice.
D44	Dormouse	<i>Muscardinus avellanarius</i>	47	Karen Bigmore	Sue Portsmouth	21/09/2013	Belfairs Nature Reserve	
D45	Dormouse	<i>Muscardinus avellanarius</i>	44	Karen Bigmore	Sue Portsmouth	19/10/2013	Belfairs Nature Reserve	
D46	Dormouse	<i>Muscardinus avellanarius</i>	26	Karen Bigmore	Sue Portsmouth	16/11/2013	Belfairs Nature Reserve	

Water Vole

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
WV10	Water Vole	<i>Arvicola terrestris</i>	3	M.Bridges	M.Bridges	14/04/2013	TwoTree Island	TQ827850	
WV11	Water Vole	<i>Arvicola terrestris</i>	3	M.Bridges	M.Bridges	01/06/2013	TwoTree Island	TQ827850	

4.7 SPECIES ACTION PLAN - OTHER VERTEBRATES

Great Crested Newts

No data recorded during 2013

Reptiles

Record #	Common name	Scientific name	Quantity	Name who witnessed species	Name who verified species	Date	Location	Grid ref	Comment
R17	Adder	<i>Vipera berus</i>	1	J.Bailey	J.Bailey	13/05/2013	TwoTree Island	TQ820850	
R18	Common Lizard	<i>Lacerta vivipara</i>	1	M.Bridges	M.Bridges	11/08/2013	TwoTree Island	TQ827850	

4.8 SPECIES ACTION PLAN – PLANTS AND TREES

Black Poplar

No data recorded during 2013

Deptford Pink

No data recorded during 2013

SECTION 5. Summary of 2012-2013 Biodiversity Action Plan 'Actions'

AQUATIC	2012	2013
BRACKISH LAGOONS 8.1 PROTECTION OF THIS HABITAT	1	1
BRACKISH LAGOONS 8.2 RAISE AWARENESS	1	0
INTERTIDAL MUDFLATS 8.1 PROTECT & MAINTAIN HABITAT	0	0
INTERTIDAL MUDFLATS 8.2 MONITOR THIS HABITAT	2	0
INTERTIDAL MUDFLATS 8.3 RAISE AWARENESS	2	0
PONDS & LAKES 8.1 PROTECT AND EXTEND HABITAT	2	1
PONDS & LAKES 8.2 IMPROVE THIS HABITAT	1	1
PONDS & LAKES 8.3 INCREASE THIS HABITAT	1	1
PONDS & LAKES 8.4 MONITOR THIS HABITAT	0	0
PONDS & LAKES 8.5 RAISE AWARENESS	0	0
REEDBED & MARSH 8.1 PROTECT & MAINTAIN HABITAT	2	0
REEDBED & MARSH 8.2 INCREASE HABITAT EXTENT	1	0
REEDBED & MARSH 8.3 RAISE AWARENESS	0	0
RIVERS STREAMS & DITCHES 8.1 PROTECTION OF THIS HABITAT	1	0
RIVERS STREAMS & DITCHES 8.2 INCREASE THIS HABITAT	0	0
RIVERS STREAMS & DITCHES 8.3 MONTIOR THIS HABITAT	0	0
RIVERS STREAMS & DITCHES 8.4 RAISE AWARENESS	0	0
SALTMARSH 8.1 PROTECTION OF THIS HABITAT	2	0
SALTMARSH 8.2 MONITOR THIS HABITAT	0	0
SALTMARSH 8.3 INCREASE HABITAT EXTENT	2	0
SALTMARSH 8.4 RAISE AWARENESS	1	0
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
Total	19	4
TERRESTRIAL	2012	2013
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	2	0
NATURAL GRASSLAND 8.1 MAINTAIN CURRENT LEVEL	2	0
NATURAL GRASSLAND 8.2 IDENTIFICATION SITES	2	0
NATURAL GRSSLAND 8.3 PREVENT DEGRADATION	4	0
NATURAL GRASSLAND 8.4 ENCOURUAGE NEW AREAS	0	0
NATURAL GRASSLAND 8.5 RAISE AWARENESS	3	0
TRADITIONAL ORCHARD 8.1 PROTECT THIS HABITAT	5	0
TRADITIONAL ORCHARD 8.2 INCREASE EXTENT OF HABITAT	0	0
TRADITIONAL ORCHARD 8.3 RAISE AWARENESS	4	0
WOODLAND 8.1 MAINTAIN & PROTECT THIS HABITAT	2	7

WOODLAND 8.2 INCREASE THIS HABITAT	0	4
WOODLAND 8.3 MONITOR ITS STATUS	0	2
WOODLAND 8.4 RAISE AWARESS	1	2
Total	25	15
URBAN	2012	2013
ALLOTMENTS 8.1 PROTECT THIS HABITAT	1	0
ALLOTMENTS 8.2 ENHANCE WILDLIFE VALUE OF SITE	0	2
ALLOTMENTS 8.3 INCREASE THE NUMBER OF ALLOTMENT HOLDERS	0	0
ALLOTMENTS 8.4 RAISE AWARENESS	3	0
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	1	0
GARDENS IN URBAN AREAS 8.1 INCREASE WILDLIFE VALUE	5	0
GARDENS IN URBAN AREAS 8.2 RAISE AWARENESS	5	0
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	17	0
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
Total	32	2
BIRDS	2012	2013
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	2
SKYLARK 8.2 MONITOR BREEDING SITES	0	0
SKYLARK 8.3 INCREASE SPECIES NUMBERS	1	0
SKYLARK 8.4 RAISE AWARENESS	1	0
Total	2	2
INVERTEBRATES	2012	2013
HEATH FRITILLARY BUTTERFLY 8.1 MAINTAIN BELFAIRS POPULATION	4	0
HEATH FRITILLARY BUTTERFLY 8.2 MONITOR POPULATIONS IN BELFAIRS	0	1
HEATH FRITILLARY BUTTERFLY 8.3 INCREASE THE POPULATION	4	0
HEATH FRITILLARY BUTTERFLY 8.4 RAISE AWARENESS	0	0
SHRILL CARDER BEE 8.1 MAINTAIN CURRENT RANGE OF SPECIES	1	1
SHRILL CARDER BEE 8.2 MONITOR POPULATIONS	1	0
SHRILL CARDER BEE 8.3 RAISE AWARENESS	1	0
STAG BEETLE 8.1 MAINTAIN CURRENT POPULATIONS	2	0
STAG BEETLE 8.2 SURVEY & MONTITOR THIS SPECIES	0	0
STAGE BEETLE 8.3 INCREASE POULATION STATUS	0	0
STAGE BEETLE 8.4 RAISE AWARENESS	2	0
Total	15	2

MAMMALS	2012	2013
BATS 8.1 IDENTIFY CURRENT POPULATION DISTRIBUTION	0	1
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 DISTRIBUTION	3	2
DORMOUSE 8.2 HALT FURTHER DECLINE OF THIS SPECIES	3	0
DORMOUSE 8.3 ENCOURAGE THE INCREASE OF SPECIES BY HABITAT CREATION	0	0
DORMOUSE 8.4 RAISE AWARENESS	3	2
WATERVOLE 8.1 IDENTIFY & PROTECT THIS SPECIES	0	0
WATERVOLE 8.2 INCREASE SPECIES POPULATION RANGE	1	0
WATERVOLE 8.3 MONITOR POPULATION STATUS	1	0
WATERVOLE 8.4 RAISE AWARENESS	0	0
Total	11	5
OTHER VERTEBRATES	2012	2013
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	1	2
REPTILE 8.2 MONITOR POPULATION	0	0
REPTILE 8.3 ENCOURAGE INCREASED POPULATION	2	2
REPTILE 8.4 RAISE AWARENESS	1	2
Total	4	6
PLANTS	2012	2013
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	3	1
DEPTFORD PINK 8.3 RAISE AWARENESS	0	0
Total	3	1

-END-