

Cwmdu, Carmarthenshire

Biological records made by Richard & Kath Pryce on the morning of 21st June 2017 during a circular walk organised by the Carmarthenshire Meadows Group from Cwmdu village along footpaths through Llety-wen, Ffos-las and Gwaunforfydd, taking-in several unimproved fields within the Llety-wen Site of Special Scientific Interest.

This report was issued on 16th September 2017 and comprises of a series of Target Notes which aimed to sample the various habitats. Their locations are shown on the aerial photograph below. All species recorded during the visit have been collated to provide amalgamated species lists which are included at the end of the document.

Weather, sunny, very warm.

Key to Target Note Species Status mnemonics

Plants and some faunal groups

- a Abundant
- b Locally Abundant
- c Casual
- d Dominant
- e Escape
- f Frequent
- g Locally Frequent
- i Introduced
- j Invertebrate/Vertebrate Adult
- K Invertebrate/Vertebrate Larva/Immature, plant seedling
- L Invertebrate/Vertebrate Sign only
- m Specimen lodged in Museum or Herbarium
- n Naturalized or introduced and persisting
- o Occasional
- p Present (no abundance recorded)
- r Rare
- s Self Sown
- t Garden Throw-out
- v Verified by Referee
- w Verified by Referee, specimen in Herbarium
- \$ cf (determination uncertain at this season or specialist determination required)

Fauna

The actual number of individuals is noted for birds and some other faunal groups.

The numbers of individual dragonflies and damselflies and some other invertebrate groups are indicated as follows: 'A' 1 individual, 'B' 2-5, 'C' 6-20, 'D' 21-100, 'E' 100-500 and 'F' 500+ individuals.

All species recorded during the visit have been collated to provide amalgamated species lists. These are included at the end of the document.

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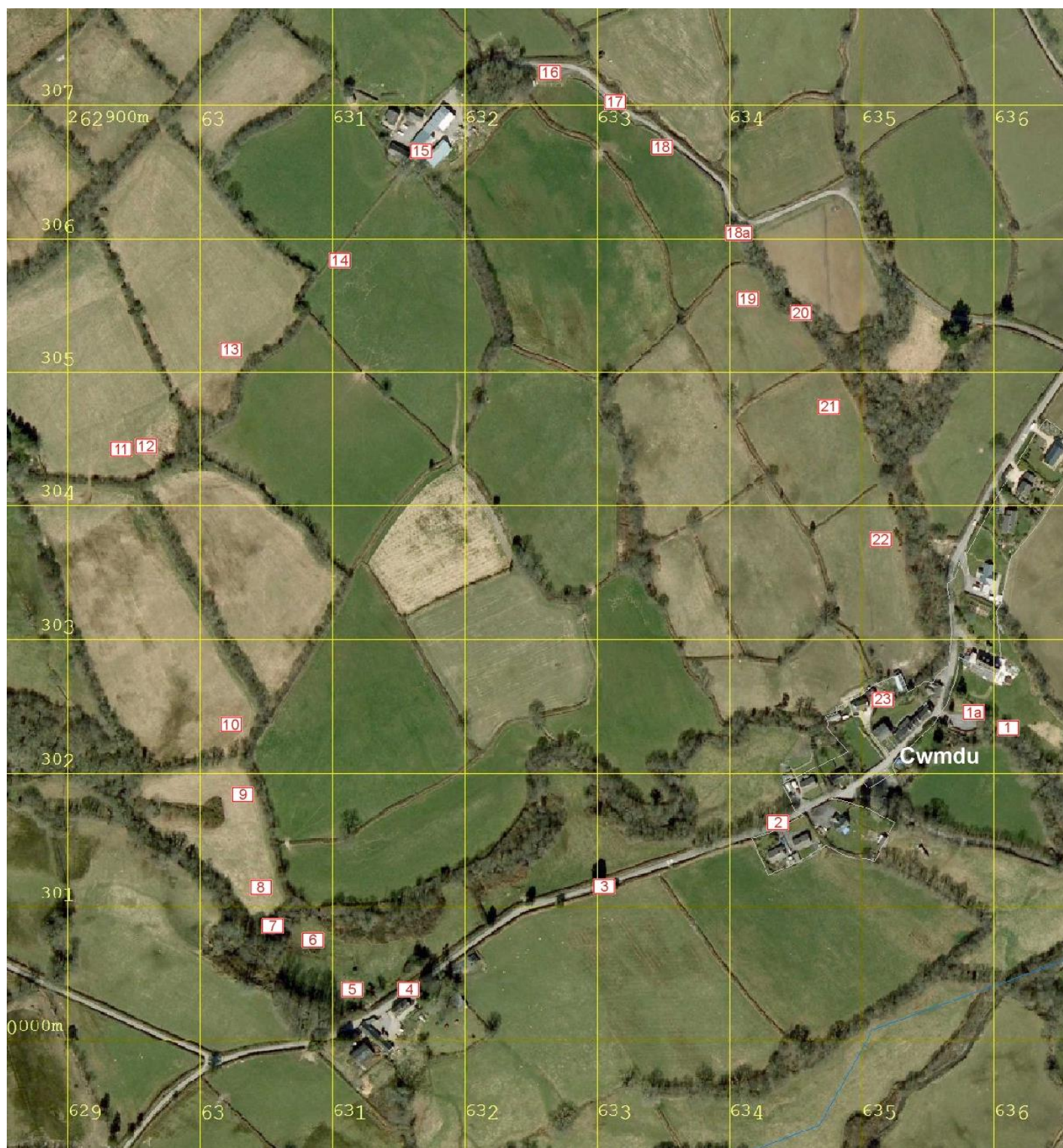
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Locations of Target Notes showing the route taken (following the numerical order of the Target Notes)

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Cwmdu TN01

Track skirting woodland lining course of river at edge of lawns extending up to Aelybryn house.

Grid ref. : **22/6360- 3023-** Record date : **21/06/2017**

Habitat : **A111 - Seminatural broadleaved woodland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 90

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Alnus glutinosa</i>	Alder	o
<i>Corylus avellana</i>	Hazel	o
<i>Epilobium montanum</i>	Broad-leaved Willowherb	r
<i>Fraxinus excelsior</i>	Ash	g
<i>Galium aparine</i>	Cleavers	g
<i>Petasites hybridus</i>	Butterbur	b
<i>Poa trivialis</i>	Rough Meadow-grass	o
<i>Prunus spinosa</i>	Blackthorn	g
<i>Ranunculus repens</i>	Creeping Buttercup	g
<i>Salix cinerea</i>	Grey Willow	o
<i>Sambucus nigra</i>	Elder	r
<i>Urtica dioica</i>	Common Nettle	o
<i>Veronica arvensis</i>	Wall Speedwell	r
<i>Veronica chamaedrys</i>	Germander Speedwell	o

Cwmdu TN01a

Car park area opposite pub including rank verges and tree-lined course of river.

Grid ref. : **22/6358- 3024-** Record date : **21/06/2017**

Habitat : **J - Other**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 90

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Arrhenatherum elatius</i>	False Oat-Grass	g
<i>Crataegus monogyna</i>	Hawthorn	o
<i>Dactylis glomerata</i>	Cock's-foot	o
<i>Digitalis purpurea</i>	Foxglove	r
<i>Festuca rubra</i>	Red Fescue	o
<i>Fraxinus excelsior</i>	Ash	g
<i>Geranium robertianum</i>	Herb-Robert	o
<i>Hedera helix</i> agg.	Ivy	b
<i>Heracleum sphondylium</i>	Hogweed	o
<i>Holcus lanatus</i>	Yorkshire-fog	g
<i>Hypochaeris radicata</i>	Cat's-ear	o
<i>Lapsana communis</i>	Nipplewort	r
<i>Lolium perenne</i>	Perennial Rye-grass	o
<i>Plantago major</i>	Greater Plantain	o
<i>Poa annua</i>	Annual Meadow-grass	o
<i>Pteridium aquilinum</i>	Bracken	g
<i>Rubus fruticosus</i> agg.	Bramble	g
<i>Rumex obtusifolius</i>	Broad-leaved Dock	o
<i>Sonchus asper</i>	Prickly Sow-thistle	o
<i>Taraxacum</i> agg.	Dandelion	o
<i>Ulmus glabra</i>	Wych Elm	r

Cwmdu TN02

Roadside hedgebanks - hurried incomplete list

Grid ref. : **22/6343- 3016-** Record date : **21/06/2017**

Habitat : **J21 - Intact hedge**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 90

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Group : 1 - Plants : RP12

Scientific Name*Aegopodium podagraria*
*Alliaria petiolata***Vernacular Name**Ground-elder
Garlic Mustard**Species Status**o
r**Cwmdu TN03**

Roadside hedgebanks – hurried incomplete list

Grid ref. : **22/6330- 3011-** Record date : **21/06/2017**Habitat : **J21 - Intact hedge**Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 90

Group : 1 - Plants : RP12

Scientific Name*Acer pseudoplatanus*
Dryopteris filix-mas
Filipendula ulmaria
Hypericum pulchrum
Ilex aquifolium
Juncus effusus
Lapsana communis
Ranunculus acris
Scrophularia nodosa
*Stellaria holostea***Vernacular Name**Sycamore
Male-fern
Meadowsweet
Slender St John's-wort
Holly
Soft-rush
Nipplewort
Meadow Buttercup
Common Figwort
Greater Stitchwort**Species Status**g
r
o
r
o
r
o
r
r
o**Cwmdu TN04**

Roadside hedgebank opposite Capel Hir - hurried incomplete list

Grid ref. : **22/6315- 3003-** Record date : **21/06/2017**Habitat : **J21 - Intact hedge**Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 100

Group : 1 - Plants : RP12

Scientific Name*Bellis perennis*
Lysimachia nummularia
*Ulmus agg.***Vernacular Name**Daisy
Creeping-Jenny
Elm**Species Status**o
r
r**Cwmdu TN05**

Rank, rushy field.

Grid ref. : **22/6311- 3003-** Record date : **21/06/2017**Habitat : **B13 - Marshy grassland acidic grassland**Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 100

Group : 1 - Plants : RP12

Scientific Name*Anthoxanthum odoratum*
Cerastium fontanum
Dactylis glomerata
Holcus lanatus
Juncus acutiflorus
Juncus effusus
Lolium perenne
Lotus pedunculatus
Ranunculus repens
*Rumex acetosa***Vernacular Name**Sweet Vernal-grass
Common Mouse-ear
Cock's-foot
Yorkshire-fog
Sharp-flowered Rush
Soft-rush
Perennial Rye-grass
Greater Bird's-foot-trefoil
Creeping Buttercup
Common Sorrel**Species Status**g
o
b
b
b
f
g
p
b
g**Richard & Kath Pryce**

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Cwmdu TN06

Wet, rush-dominated hollow in rank field.

Grid ref. : **22/6308- 3007-** Record date : **21/06/2017**

Habitat : **B13 - Marshy grassland acidic grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 100

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Deschampsia cespitosa</i>	Tufted Hair-grass	r
<i>Galium palustre</i>	Marsh-bedstraw	o
<i>Holcus lanatus</i>	Yorkshire-fog	b
<i>Juncus effusus</i>	Soft-rush	a
Group : 16 - Butterflies		
Scientific Name	Vernacular Name	Species Status
<i>Aphantopus hyperantus</i>	Ringlet	1

Cwmdu TN07

Wooded banks of Afon Dulais in vicinity of foot-bridge. About six plants of *Impatiens glandulifera* seen and removed. 2 flowering plants of *Dactylorhiza fuchsii* on field edge.

Grid ref. : **22/6305- 3008-** Record date : **21/06/2017**

Habitat : **G222 - Mesotrophic Streams and rivers 1 - 3m wide**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 100

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Anthriscus sylvestris</i>	Cow Parsley	o
<i>Athyrium filix-femina</i>	Lady-fern	g
<i>Circaea lutetiana</i>	Enchanter's-nightshade	o
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	r
<i>Dryopteris affinis</i> agg.	Scaly Male-fern	o
<i>Dryopteris affinis</i>	Scaly Male-fern	o
<i>Dryopteris filix-mas</i>	Male-fern	p
<i>Filipendula ulmaria</i>	Meadowsweet	o
<i>Hedera helix</i> agg.	Ivy	g
<i>Hyacinthoides non-scripta</i>	Bluebell	g
<i>Ilex aquifolium</i>	Holly	o
<i>Impatiens glandulifera</i>	Indian Balsam	r
<i>Oxalis acetosella</i>	Wood-sorrel	g
<i>Rumex sanguineus</i>	Wood Dock	r
<i>Schedonorus giganteus</i>	Giant Fescue	r
<i>Silene dioica</i>	Red Campion	o
<i>Stellaria holostea</i>	Greater Stitchwort	g

Cwmdu TN08

Lletty-wen SSSI: unimproved neutral/acid grassland field and adjacent tree-lined hedge on west side. At least 7 *Platanthera chlorantha* plants seen from the footpath at this location.

Grid ref. : **22/6304- 3011-** Record date : **21/06/2017**

Habitat : **B21 - Unimproved neutral grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 100

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Acer pseudoplatanus</i>	Sycamore	o
<i>Agrostis capillaris</i>	Common Bent	g
<i>Angelica sylvestris</i>	Wild Angelica	o
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	b

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<i>Betonica officinalis</i>	Betony	b
<i>Carex leporina</i>	Oval Sedge	o
<i>Carex panicea</i>	Carnation Sedge	r
<i>Carum verticillatum</i>	Whorled Caraway	g
<i>Centaurea nigra</i>	Common Knapweed	o
<i>Cynosurus cristatus</i>	Crested Dog's-tail	o
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	o
<i>Dactylorhiza maculata</i> ssp. <i>ericetorum</i> white flowered	Heath Spotted-orchid	r
<i>Dactylorhiza maculata</i>	Heath Spotted-orchid	r
<i>Dactylorhiza x transiens</i>	D. fuchsii x maculata	g
<i>Festuca rubra</i>	Red Fescue	g
<i>Heracleum sphondylium</i>	Hogweed	o
<i>Holcus lanatus</i>	Yorkshire-fog	b
<i>Hypochaeris radicata</i>	Cat's-ear	g
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil	g
<i>Plantago lanceolata</i>	Ribwort Plantain	g
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	r
<i>Potentilla erecta</i>	Tormentil	o
<i>Prunus spinosa</i>	Blackthorn	o
<i>Pteridium aquilinum</i>	Bracken	o
<i>Quercus robur</i>	Pedunculate Oak	o
<i>Ranunculus acris</i>	Meadow Buttercup	g
<i>Rhinanthus minor</i>	Yellow-rattle	g
<i>Rosa arvensis</i>	Field-rose	o
<i>Stellaria graminea</i>	Lesser Stitchwort	r
<i>Succisa pratensis</i>	Devil's-bit Scabious	r
<i>Ulex europaeus</i>	Gorse	o
<i>Veronica chamaedrys</i>	Germander Speedwell	r
Group : 16 - Butterflies		
Scientific Name	Vernacular Name	Species Status
<i>Maniola jurtina</i>	Meadow Brown	2

Cwmdu TN09

Lletty-wen SSSI: a few Euphrasia plants in unimproved neutral/acid grassland field at ths location. Also rare Platanthera.

Grid ref. : **22/6303- 3018-** Record date : **21/06/2017**

Habitat : **B21 - Unimproved neutral grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 100

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Euphrasia</i> agg.	Eyebright	r
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	r

Cwmdu TN10

Lletty-wen SSSI: unimproved neutral/acid grassland field and adjacent tree-lined hedge on west side. Holcus mollis frequent at edge in shade of hedge.

Grid ref. : **22/6302- 3023-** Record date : **21/06/2017**

Habitat : **B21 - Unimproved neutral grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 100

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	a
<i>Carum verticillatum</i>	Whorled Caraway	a
<i>Dactylorhiza maculata</i> subsp. <i>ericetorum</i>	Heath Spotted-orchid	r
<i>Dactylorhiza maculata</i>	Heath Spotted-orchid	r
<i>Dryopteris dilatata</i>	Broad Buckler-fern	r

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<i>Holcus lanatus</i>	Yorkshire-fog	g
<i>Holcus mollis</i>	Creeping Soft-grass	g
<i>Juncus effusus</i>	Soft-rush	r
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil	a
<i>Luzula campestris</i>	Field Wood-rush	o
<i>Myosotis secunda</i>	Creeping Forget-me-not	r
<i>Potentilla erecta</i>	Tormentil	f
<i>Ranunculus acris</i>	Meadow Buttercup	r
<i>Ranunculus repens</i>	Creeping Buttercup	b
<i>Rhinanthus minor</i>	Yellow-rattle	b
<i>Rumex acetosa</i>	Common Sorrel	o
<i>Silene flos-cuculi</i>	Ragged-Robin	r
<i>Trifolium pratense</i>	Red Clover	r

Cwmdu TN11

Lletty-wen SSSI: Unimproved neutral/acid grassland field. Occasional *Platanthera chlorantha* plants in this area.

Grid ref. : **22/6294- 3044-** Record date : **21/06/2017**

Habitat : **B21 - Unimproved neutral grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 120

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Agrostis capillaris</i>	Common Bent	b
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	a
<i>Carum verticillatum</i>	Whorled Caraway	o
<i>Centaurea nigra</i>	Common Knapweed	o
<i>Dactylis glomerata</i>	Cock's-foot	g
<i>Holcus lanatus</i>	Yorkshire-fog	b
<i>Hypochaeris radicata</i>	Cat's-ear	r
<i>Juncus acutiflorus</i>	Sharp-flowered Rush	b
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil	b
<i>Plantago lanceolata</i>	Ribwort Plantain	o
<i>Potentilla erecta</i>	Tormentil	g
<i>Rhinanthus minor</i>	Yellow-rattle	g
<i>Rumex acetosa</i>	Common Sorrel	o
<i>Stellaria graminea</i>	Lesser Stitchwort	r

Group : 15 - Lepidoptera

Scientific Name	Vernacular Name	Species Status
<i>Zygaena trifolii</i>	Five-spot Burnet	3

Cwmdu TN12

Lletty-wen SSSI: 50 gallon oil-drum let-into field with water at bottom supporting a mono-specific carpet of *Callitriche*. Located in rank edge of unimproved neutral/acid grassland field.

Grid ref. : **22/62954 30446** Record date : **21/06/2017**

Habitat : **J - Other**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 120

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Callitriche stagnalis sens. lat.</i>	Common Water-starwort	b
<i>Callitriche stagnalis</i>	Common Water-starwort	b
<i>Cerastium fontanum</i>	Common Mouse-ear	o
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	r
<i>Galium aparine</i>	Cleavers	o
<i>Holcus lanatus</i>	Yorkshire-fog	b
<i>Juncus effusus</i>	Soft-rush	b
<i>Ranunculus repens</i>	Creeping Buttercup	b

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<i>Stellaria graminea</i>	Lesser Stitchwort	r
Group : 16 - Butterflies		
Scientific Name	Vernacular Name	Species Status
<i>Vanessa atalanta</i>	Red Admiral	1
Group : 11 - Odonata		
Scientific Name	Vernacular Name	Species Status
<i>Sympetrum danae</i>	Black Darter	A.....

Cwmdu TN13

Lletty-wen SSSI: Unimproved neutral/acid grassland field. Only one or two *Platanthera chlorantha* plants seen in this area.

Grid ref. : **22/6302- 3051-** Record date : **21/06/2017**

Habitat : **B21 - Unimproved neutral grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 130

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	a
<i>Carum verticillatum</i>	Whorled Caraway	r
<i>Dactylis glomerata</i>	Cock's-foot	g
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	o
<i>Euphrasia</i> agg.	Eyebright	r
<i>Hypochaeris radicata</i>	Cat's-ear	g
<i>Leontodon hispidus</i>	Rough Hawkbit	b
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil	g
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	r
<i>Pteridium aquilinum</i>	Bracken	p
<i>Rhinanthus minor</i>	Yellow-rattle	b
<i>Stellaria graminea</i>	Lesser Stitchwort	o

Cwmdu TN14

Ffos-las Farm: Improved field and hedge along northern boundary trimmed to c.3m . Footpath originally in adjacent field to north on the other side of this hedge. Several water-boatmen in the cattle trough.

Grid ref. : **22/6310- 3058-** Record date : **21/06/2017**

Habitat : **B4 - Improved/reseeded grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 130

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Cerastium fontanum</i>	Common Mouse-ear	o
<i>Cirsium arvense</i>	Creeping Thistle	o
<i>Cirsium palustre</i>	Marsh Thistle	r
<i>Corylus avellana</i>	Hazel	b
<i>Crataegus monogyna</i>	Hawthorn	f
<i>Digitalis purpurea</i>	Foxglove	g
<i>Lolium perenne</i>	Perennial Rye-grass	b
<i>Poa trivialis</i>	Rough Meadow-grass	o
<i>Rubus fruticosus</i> agg.	Bramble	o
<i>Sambucus nigra</i>	Elder	r
<i>Urtica dioica</i>	Common Nettle	o

Cwmdu TN15

Ffos-las Farmstead. Good show of *Pilosella aurantiacum* in flower by barn. Single 'bush' of *Taxus baccata* in field boundary hedge nearby (to SW).

Grid ref. : **22/6316- 3066-** Record date : **21/06/2017**Habitat : **J - Other**Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 130

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Acer pseudoplatanus</i>	Sycamore	o
<i>Anisantha sterilis</i>	Barren Brome	r
<i>Anthriscus sylvestris</i>	Cow Parsley	r
<i>Arrhenatherum elatius</i>	False Oat-Grass	o
<i>Asplenium scolopendrium</i>	Hart's-tongue	r
<i>Athyrium filix-femina</i>	Lady-fern	g
<i>Bellis perennis</i>	Daisy	r
<i>Cirsium palustre</i>	Marsh Thistle	r
<i>Crepis capillaris</i>	Smooth Hawk's-beard	r
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	o
<i>Dryopteris affinis</i> agg.	Scaly Male-fern	r
<i>Dryopteris affinis</i>	Scaly Male-fern	b
<i>Epilobium ciliatum</i>	American Willowherb	r
<i>Fraxinus excelsior</i>	Ash	r
<i>Geranium robertianum</i>	Herb-Robert	o
<i>Holcus lanatus</i>	Yorkshire-fog	o
<i>Ilex aquifolium</i>	Holly	r
<i>Iris pseudacorus</i>	Yellow Iris	i
<i>Lapsana communis</i>	Nipplewort	r
<i>Matricaria discoidea</i>	Pineappleweed	r
<i>Medicago lupulina</i>	Black Medick	g
<i>Oenanthe crocata</i>	Hemlock Water-dropwort	o
<i>Pilosella aurantiaca</i>	Fox-and-cubs	b
<i>Plantago lanceolata</i>	Ribwort Plantain	o
<i>Plantago major</i>	Greater Plantain	g
<i>Potentilla anserina</i>	Silverweed	r
<i>Pteridium aquilinum</i>	Bracken	p
<i>Senecio vulgaris</i>	Groundsel	o
<i>Sonchus asper</i>	Prickly Sow-thistle	o
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	o
<i>Stellaria alsine</i>	Bog Stitchwort	r
<i>Taraxacum</i> agg.	Dandelion	r
<i>Taxus baccata</i>	Yew	r
<i>Trifolium repens</i>	White Clover	b

Cwmdu TN16

Ffos-las Farm. Shale-surfaced triangular area between tracks sown with wildflowers (Cornflower, Sweet-William, stocks, poppy, etc) but also supporting a good variety of weed and ruderal species.

Grid ref. : **22/6326- 3072-** Record date : **21/06/2017**Habitat : **J - Other**Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 120

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Achillea millefolium</i>	Yarrow	r
<i>Anisantha sterilis</i>	Barren Brome	r
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	o
<i>Carex flacca</i>	Glaucous Sedge	o
<i>Centaurea cyanus</i>	Cornflower	i
<i>Centaurea erythraea</i>	Common Centaury	r
<i>Cirsium vulgare</i>	Spear Thistle	r
<i>Crepis capillaris</i>	Smooth Hawk's-beard	g
<i>Dianthus barbatus</i>	Sweet-William	i
<i>Epilobium ciliatum</i>	American Willowherb	r
<i>Epilobium obscurum</i>	Short-fruited Willowherb	o
<i>Euphorbia peplus</i>	Petty Spurge	r

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<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	o
<i>Holcus lanatus</i>	Yorkshire-fog	b
<i>Juncus articulatus</i>	Jointed Rush	r
<i>Juncus bufonius</i>	Toad Rush	o
<i>Lathyrus pratensis</i>	Meadow Vetchling	r
<i>Leucanthemum vulgare</i>	Oxeye Daisy	o
<i>Malcolmia maritima</i>	Virginia Stock	i
<i>Papaver rhoeas</i>	Common Poppy	i
<i>Prunella vulgaris</i>	Selfheal	r
<i>Rorippa palustris</i>	Marsh Yellow-cress	r
<i>Sagina apetala</i>	Annual Pearlwort	r
<i>Sagina filicaulis</i>	Upright Pearlwort	r
<i>Sagina procumbens</i>	Procumbent Pearlwort	o
<i>Scorzoneroide autumnalis</i> var. <i>coronopifolia</i>	Autumn Hawkbit	o
<i>Scorzoneroide autumnalis</i>	Autumn Hawkbit	o
<i>Senecio aquaticus</i>	Marsh Ragwort	r
<i>Trifolium dubium</i>	Lesser Trefoil	b
<i>Trifolium repens</i>	White Clover	g
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	o
<i>Vulpia bromoides</i>	Squirreltail Fescue	o

Cwmdu TN17

Ffos-las Farm. Driveway to farmstead lined narrow species-rich verges backed by hedges trimmed to 2m - 2.5m.

Grid ref. : **22/6331- 3070-** Record date : **21/06/2017**

Habitat : **J21 - Intact hedge**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 120

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Alnus glutinosa</i>	Alder	g
<i>Arrhenatherum elatius</i>	False Oat-Grass	b
<i>Centaurea nigra</i>	Common Knapweed	g
<i>Cirsium palustre</i>	Marsh Thistle	o
<i>Crataegus monogyna</i>	Hawthorn	g
<i>Cynosurus cristatus</i>	Crested Dog's-tail	r
<i>Dactylis glomerata</i>	Cock's-foot	o
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	r
<i>Holcus lanatus</i>	Yorkshire-fog	b
<i>Lapsana communis</i>	Nipplewort	o
<i>Lathyrus pratensis</i>	Meadow Vetchling	b
<i>Leontodon hispidus</i>	Rough Hawkbit	o
<i>Leucanthemum vulgare</i>	Oxeye Daisy	o
<i>Lolium perenne</i>	Perennial Rye-grass	b
<i>Scrophularia nodosa</i>	Common Figwort	r
<i>Stachys sylvatica</i>	Hedge Woundwort	r
<i>Stellaria graminea</i>	Lesser Stitchwort	b
<i>Trifolium pratense</i>	Red Clover	o

Cwmdu TN18

Ffos-las Farm. Recently reseeded field with *Alopecurus geniculatus* locally abundant in vicinity of gateway.

Grid ref. : **22/6334- 3066-** Record date : **21/06/2017**

Habitat : **B4 - Improved/reseeded grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 110

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Agrostis capillaris</i>	Common Bent	f
<i>Alopecurus geniculatus</i>	Marsh Foxtail	g

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<i>Cerastium glomeratum</i>	Sticky Mouse-ear	o
<i>Cynosurus cristatus</i>	Crested Dog's-tail	g
<i>Epilobium montanum</i>	Broad-leaved Willowherb	r
<i>Juncus effusus</i>	Soft-rush	g
<i>Montia fontana</i>	Blinks	o
<i>Myosotis secunda</i>	Creeping Forget-me-not	r
<i>Poa trivialis</i>	Rough Meadow-grass	g
<i>Ranunculus acris</i>	Meadow Buttercup	r
<i>Ranunculus repens</i>	Creeping Buttercup	g
<i>Trifolium repens</i>	White Clover	b
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	r

Cwmdu TN18a

One Wild Cherry tree in hedge, a few plants of *Persicaria maculosa* in sparse re-seeded field edge.

Grid ref. : **22/6340- 3060-** Record date : **21/06/2017**

Habitat : **J23 - Hedgerow trees**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 110

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Corylus avellana</i>	Hazel	f
<i>Crataegus monogyna</i>	Hawthorn	f
<i>Persicaria maculosa</i>	Redshank	r
<i>Prunus avium</i>	Wild Cherry	r

Cwmdu TN19

Gwaunforfydd fields: Unimproved neutral/acid hay meadow with wetter areas supporting abundant *Carum*.

Euphrasia locally frequent. About 8 plants of *Carex pallescens* seen along the line of the footpath. Rare

Platanthera chlorantha plants: only 3 seen. At least two plants of *Dactylorhiza incarnata*.

Grid ref. : **22/6341- 3055-** Record date : **21/06/2017**

Habitat : **B21 - Unimproved neutral grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 110

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Agrostis capillaris</i>	Common Bent	a
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	b
<i>Carex leporina</i>	Oval Sedge	r
<i>Carex pallescens</i>	Pale Sedge	o
<i>Carex panicea</i>	Carnation Sedge	g
<i>Carum verticillatum</i>	Whorled Caraway	b
<i>Centaurea nigra</i>	Common Knapweed	g
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	o
<i>Dactylorhiza incarnata subsp. incarnata</i>	Early Marsh-orchid	r
<i>Dactylorhiza incarnata</i>	Early Marsh-orchid	r
<i>Dactylorhiza maculata subsp. ericetorum</i>	Heath Spotted-orchid	o
<i>Dactylorhiza maculata</i>	Heath Spotted-orchid	o
<i>Euphrasia</i> agg.	Eyebright	g
<i>Holcus lanatus</i>	Yorkshire-fog	a
<i>Hypochaeris radicata</i>	Cat's-ear	o
<i>Juncus acutiflorus</i>	Sharp-flowered Rush	r
<i>Juncus effusus</i>	Soft-rush	o
<i>Plantago lanceolata</i>	Ribwort Plantain	a
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	r
<i>Prunella vulgaris</i>	Selfheal	r
<i>Rhinanthus minor</i>	Yellow-rattle	f
<i>Trifolium dubium</i>	Lesser Trefoil	r
<i>Trifolium pratense</i>	Red Clover	o

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Group : 15 - Lepidoptera

Scientific Name*Zygaena trifolii***Vernacular Name**

Five-spot Burnet

Species Status

4

Cwmdu TN20

Gwaunforfydd fields: Linear woodland lining small ravine.

Grid ref. : **22/6345- 3054-** Record date : **21/06/2017**Habitat : **A111 - Seminatural broadleaved woodland**Observer : **Richard D. Pryce**

Vice county : Carmarthen Altitude : 110

Group : 1 - Plants : RP12

Scientific Name*Alnus glutinosa**Conopodium majus**Corylus avellana**Crataegus monogyna**Dryopteris dilatata**Fagus sylvatica**Fraxinus excelsior**Hyacinthoides non-scripta**Ilex aquifolium**Quercus robur**Ranunculus acris**Ulex europaeus**Veronica montana*

Group : 37 - Birds

Scientific Name*Regulus regulus***Vernacular Name**

Alder

Pignut

Hazel

Hawthorn

Broad Buckler-fern

Beech

Ash

Bluebell

Holly

Pedunculate Oak

Meadow Buttercup

Gorse

Wood Speedwell

Species Status

r

r

b

g

r

b

o

o

o

b

r

r

r

Vernacular Name

Goldcrest

Species Status

1

Cwmdu TN21

Gwaunforfydd fields: Unimproved neutral/acid hay meadow with wetter areas supporting abundant Carum.

Euphrasia locally abundant (specimen taken for expert determination). One plant of Papaver rhoeas in flower.

Occasional Platanthera chlorantha plants: about 10 seen from the footpath.

Grid ref. : **22/6347- 3047-** Record date : **21/06/2017**Habitat : **B21 - Unimproved neutral grassland**Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 100

Group : 1 - Plants : RP12

Scientific Name*Agrostis capillaris**Anthoxanthum odoratum**Carum verticillatum**Centaurea nigra**Crataegus monogyna**Dactylis glomerata**Dactylorhiza fuchsii**Euphrasia* agg.*Hypochaeris radicata**Leucanthemum vulgare**Lotus corniculatus**Papaver rhoeas**Platanthera chlorantha**Prunella vulgaris**Rhinanthus minor**Trifolium dubium**Trifolium pratense***Vernacular Name**

Common Bent

Sweet Vernal-grass

Whorled Caraway

Common Knapweed

Hawthorn

Cock's-foot

Common Spotted-orchid

Eyebright

Cat's-ear

Oxeye Daisy

Common Bird's-foot-trefoil

Common Poppy

Greater Butterfly-orchid

Selfheal

Yellow-rattle

Lesser Trefoil

Red Clover

Species Status

b

a

b

r

p

o

g

b

b

o

g

r

r

r

b

b

o

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Cwmdu TN22

Gwaunforfydd fields: Grazed, unimproved neutral/acid field. Rare *Platanthera chlorantha* plants: only 2 seen.

Grid ref. : **22/6351- 3037-** Record date : **21/06/2017**

Habitat : **B21 - Unimproved neutral grassland**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 90

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Carum verticillatum</i>	Whorled Caraway	b
<i>Centaurea nigra</i>	Common Knapweed	o
<i>Centaureum erythraea</i>	Common Centaury	r
<i>Cynosurus cristatus</i>	Crested Dog's-tail	a
<i>Euphrasia</i> agg.	Eyebright	o
<i>Hypochaeris radicata</i>	Cat's-ear	b
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil	b
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	r
<i>Prunella vulgaris</i>	Selfheal	o

Cwmdu TN23

Gwaunforfydd farmyard: hurried incomplete list. *Asplenium trichomanes* occasional on stone walls.

Grid ref. : **22/6351- 3025-** Record date : **21/06/2017**

Habitat : **J - Other**

Observer : **Carmarthenshire Meadows Group**

Vice county : Carmarthen Altitude : 90

Group : 1 - Plants : RP12

Scientific Name	Vernacular Name	Species Status
<i>Aegopodium podagraria</i>	Ground-elder	o
<i>Asplenium trichomanes</i> subsp. <i>quadrivalens</i>	Maidenhair Spleenwort	o
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	o
<i>Cynosurus cristatus</i>	Crested Dog's-tail	b
<i>Epilobium ciliatum</i>	American Willowherb	o
<i>Plantago major</i>	Greater Plantain	o
<i>Primula vulgaris</i>	Primrose	r

Species Lists collated from the above Target Notes

Group : 1 – Vascular Plants

Field records 25

Species recorded 158

Name	Code	Name	No of TNs from which recorded
Acer pseudoplatanus	5	Sycamore	3
Achillea millefolium	7	Yarrow	1
Aegopodium podagraria	20	Ground-elder	2
Agrostis capillaris	40	Common Bent	5
Alliaria petiolata	64	Garlic Mustard	1
Alnus glutinosa	77	Alder	3
Alopecurus geniculatus	82	Marsh Foxtail	1
Angelica sylvestris	109	Wild Angelica	1
Anisantha sterilis	113	Barren Brome	2
Anthoxanthum odoratum	121	Sweet Vernal-grass	8
Anthriscus sylvestris	125	Cow Parsley	2
Arrhenatherum elatius	169	False Oat-grass	3
Asplenium trichomanes ssp.quadrivalens	194.1	Maidenhair Spleenwort	1
Asplenium trichomanes	194	Maidenhair Spleenwort	1
Athyrium filix-femina	211	Lady-fern	2
Bellis perennis	231	Daisy	2
Callitriche stagnalis sens. lat.	307	Common Water-starwort	1
Callitriche stagnalis	307.2	Common Water-starwort	1
Carex flacca	376	Glaucous Sedge	1
Carex ovalis	397	Oval Sedge	2
Carex pallescens	399	Pale Sedge	1
Carex panicea	400	Carnation Sedge	2
Carum verticillatum	431	Whorled Caraway	7
Centaurea cyanus	440	Cornflower	1
Centaurea nigra	444	Common Knapweed	6
Centaureum erythraea	5486	Common Centaury	2
Cerastium fontanum	467	Common Mouse-ear	3
Cerastium glomeratum	466	Sticky Mouse-ear	1
Circaea lutetiana	513	Enchanter's-nightshade	1
Cirsium arvense	515	Creeping Thistle	1
Cirsium palustre	520	Marsh Thistle	3
Cirsium vulgare	522	Spear Thistle	1
Conopodium majus	541	Pignut	1
Corylus avellana	557	Hazel	4
Crataegus monogyna	569	Hawthorn	6
Crepis capillaris	572	Smooth Hawk's-beard	2
Cymbalaria muralis	592	Ivy-leaved Toadflax	1
Cynosurus cristatus	597	Crested Dog's-tail	5
Dactylis glomerata	607	Cock's-foot	6
Dactylorhiza fuchsii	608	Common Spotted-orchid	7
Dactylorhiza incarnata ssp.incarnata	609.4	Early Marsh-orchid	1
Dactylorhiza incarnata	609	Early Marsh-orchid	1
Dactylorhiza maculata ssp. ericetorum white flowered	610.9	Heath Spotted-orchid white flowered	1
Dactylorhiza maculata ssp.ericetorum	610.1	Heath Spotted-orchid	2
Dactylorhiza maculata	610	Heath Spotted-orchid	3
Dactylorhiza x transiens	2860	a hybrid dactylorchid	1
Deschampsia cespitosa	627	Tufted Hair-grass	1
Dianthus barbatus	632	Sweet-William	1

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Digitalis purpurea	640	Foxglove	2
Dryopteris affinis ssp.affinis	662.1	Scaly Male-fern	2
Dryopteris affinis	662	Scaly Male-fern	2
Dryopteris dilatata	661	Broad Buckler-fern	2
Dryopteris filix-mas	665	Male-fern	2
Epilobium ciliatum	688	American Willowherb	3
Epilobium montanum	695	Broad-leaved Willowherb	2
Epilobium obscurum	696	Short-fruited Willowherb	1
Euphorbia peplus	777	Petty Spurge	1
Euphrasia officinalis agg.	2243	Eyebright	5
Fagus sylvatica	810	Beech	1
Festuca gigantea	816	Giant Fescue	1
Festuca rubra	825	Red Fescue	2
Filipendula ulmaria	833	Meadowsweet	2
Fraxinus excelsior	841	Ash	4
Galium aparine	873	Cleavers	2
Galium palustre	882	Common Marsh-bedstraw	1
Geranium dissectum	907	Cut-leaved Crane's-bill	1
Geranium robertianum	918	Herb-Robert	2
Hedera helix	952	Ivy	2
Heracleum sphondylium	968	Hogweed	2
Holcus lanatus	983	Yorkshire-fog	11
Holcus mollis	984	Creeping Soft-grass	1
Hyacinthoides non-scripta	687	Bluebell	2
Hypericum pulchrum	1015	Slender St John's-wort	1
Hypochaeris radicata	1020	Cat's-ear	7
Ilex aquifolium	1023	Holly	4
Impatiens glandulifera	1026	Indian Balsam	1
Iris pseudacorus	1038	Yellow Iris	1
Juncus acutiflorus	1050	Sharp-flowered Rush	3
Juncus articulatus	1054	Jointed Rush	1
Juncus bufonius	1057.2	Toad Rush	1
Juncus effusus	1067	Soft-rush	7
Lapsana communis	1104	Nipplewort	4
Lathyrus pratensis	1116	Meadow Vetchling	2
Leontodon hispidus	1130	Rough Hawkbit	2
Leucanthemum vulgare	502	Oxeye Daisy	3
Lolium perenne	1183	Perennial Rye-grass	4
Lotus corniculatus	1191	Common Bird's-foot-trefoil	2
Lotus pedunculatus	1194	Greater Bird's-foot-trefoil	5
Luzula campestris	1201	Field Wood-rush	1
Lychnis flos-cuculi	1210	Ragged-Robin	1
Lysimachia nummularia	1222	Creeping-Jenny	1
Malcolmia maritima	4515	Virginia Stock	1
Matricaria discoidea	1242	Pineappleweed	1
Medicago lupulina	1250	Black Medick	1
Montia fontana	1312	Blinks	1
Myosotis secunda	1323	Creeping Forget-me-not	2
Oenanthe crocata	1363	Hemlock Water-dropwort	1
Oxalis acetosella	1413	Wood-sorrel	1
Papaver rhoeas	1430	Common Poppy	2
Persicaria maculosa	1537	Redshank	1
Petasites hybridus	1447	Butterbur	1
Phyllitis scolopendrium	1466	Hart's-tongue	1

<i>Pilosella aurantiaca</i>	4516	Fox-and-cubs	1
<i>Plantago lanceolata</i>	1487	Ribwort Plantain	4
<i>Plantago major</i>	1488	Greater Plantain	3
<i>Platanthera chlorantha</i>	1493	Greater Butterfly-orchid	6
<i>Poa annua</i>	1495	Annual Meadow-grass	1
<i>Poa trivialis</i>	1507	Rough Meadow-grass	3
<i>Potentilla anserina</i>	1584	Silverweed	1
<i>Potentilla erecta</i>	1588	Tormentil	3
<i>Primula vulgaris</i>	1607	Primrose	1
<i>Prunella vulgaris</i>	1610	Selfheal	4
<i>Prunus avium</i>	1611	Wild Cherry	1
<i>Prunus spinosa</i>	1617	Blackthorn	2
<i>Pteridium aquilinum</i>	1619	Bracken	4
<i>Quercus robur</i>	1640	Pedunculate Oak	2
<i>Ranunculus acris</i>	1642	Meadow Buttercup	5
<i>Ranunculus repens</i>	1660	Creeping Buttercup	5
<i>Rhinanthus minor</i>	1678	Yellow-rattle	6
<i>Rorippa palustris</i>	1703	Marsh Yellow-cress	1
<i>Rosa arvensis</i>	1707	Field-rose	1
<i>Rubus fruticosus</i> agg.	1728	Bramble	2
<i>Rumex acetosa</i>	1734	Common Sorrel	3
<i>Rumex obtusifolius</i>	1748	Broad-leaved Dock	1
<i>Rumex sanguineus</i>	1753	Wood Dock	1
<i>Sagina apetala</i> subsp. <i>erecta</i>	1761	Annual Pearlwort	1
<i>Sagina apetala</i>	2559	Annual Pearlwort	1
<i>Sagina procumbens</i>	1767	Procumbent Pearlwort	1
<i>Salix cinerea</i>	1789	Grey Willow	1
<i>Sambucus nigra</i>	1815	Elder	2
<i>Scorzoneroideis autumnalis</i> var. <i>coronopifolia</i>	L6578.0	Autumn Hawkbit	1
<i>Scorzoneroideis autumnalis</i>	1129	Autumn Hawkbit	1
<i>Scrophularia nodosa</i>	1867	Common Figwort	2
<i>Senecio aquaticus</i>	1891	Marsh Ragwort	1
<i>Senecio vulgaris</i>	1905	Groundsel	1
<i>Silene dioica</i>	1259	Red Campion	1
<i>Sonchus asper</i>	1953	Prickly Sow-thistle	2
<i>Sonchus oleraceus</i>	1954	Smooth Sow-thistle	1
<i>Stachys officinalis</i>	237	Betony	1
<i>Stachys sylvatica</i>	2005	Hedge Woundwort	1
<i>Stellaria graminea</i>	2009	Lesser Stitchwort	5
<i>Stellaria holostea</i>	2010	Greater Stitchwort	2
<i>Stellaria uliginosa</i>	2007	Bog Stitchwort	1
<i>Succisa pratensis</i>	2021	Devil's-bit Scabious	1
<i>Taraxacum</i> agg.	2034	Dandelion	2
<i>Taxus baccata</i>	2039	Yew	1
<i>Trifolium dubium</i>	2081	Lesser Trefoil	3
<i>Trifolium pratense</i>	2091	Red Clover	4
<i>Trifolium repens</i>	2092	White Clover	3
<i>Ulex europaeus</i>	2112	Gorse	2
<i>Ulmus aggregate</i>	4314	Elm	1
<i>Ulmus glabra</i>	2119	Wych Elm	1
<i>Urtica dioica</i>	2126	Common Nettle	2
<i>Veronica arvensis</i>	2165	Wall Speedwell	1
<i>Veronica chamaedrys</i>	2168	Germander Speedwell	2
<i>Veronica montana</i>	2172	Wood Speedwell	1

Veronica serpyllifolia	2180	Thyme-leaved Speedwell	2
Vulpia bromoides	2226	Squirreltail Fescue	1
TotalSpeciesRecords - 349			

Group : 11 - Odonata

Field records 1

Species recorded 1

Name	Code	Name	No of TNs from which recorded
Sympetrum danae	3812	Black Darter	1
TotalSpeciesRecords - 1			

Group : 15 - Lepidoptera

Field records 5

Species recorded 4

Name	Code	Name	No of TNs from which recorded
Aphantopus hyperantus	1629	Ringlet	1
Maniola jurtina	1626	Meadow Brown	1
Vanessa atalanta	1590	Red Admiral	1
Zygaena trifolii	170	Five-spot Burnet	2
TotalSpeciesRecords - 5			

Group : 37 - Birds

Field records 1

Species recorded 1

Name	Code	Name	No of TNs from which recorded
Goldcrest	1314	Regulus regulus	1
TotalSpeciesRecords - 1			