

Bioblitz on Stretton Wetlands; 14th June 2018

Members of the wildlife group and local experts were all invited to participate in a second bioblitz on the Stretton wetlands on June 14th 2018. The landowners were all consulted and gave permission for their land to be surveyed.

The evening before two moth traps were set up by Mike Shurmer and Graham Wenman and despite the rather damp evening there were a good number of moths recorded both outside and inside the traps. A total of 29 species (52 moths) were recorded over night with a further 3 species of larvae noted during the following day.

A bat detector was used the previous evening by Steve Butler, and produced a good number of positive results with 4 definitive bat species identified (Whiskered, Noctule, Common Pipistrelle and Soprano Pipistrelle). Unconfirmed results were also obtained for Nathusius. 101 flights were recorded over the central part of the wetlands



Five members of the Stretton's flora group came and surveyed two areas – the Griffin land centred on SO45179318 and the Sankey land, centred on SO45059313. A total of 71 flowering plants were recorded, with an abundance of Skullcap, creeping Forget me not and the rare Marsh Cinquefoil. In addition two axiophytes were recorded.



A bird survey was carried out with 23 species recorded. Of particular interest were Reed Bunting, Black cap, Tree creeper and Long tailed tit.

Time was set aside for searching an area of the Quinny brook for signs of water vole activity. Thanks in particular for Anna who donned waders and disappeared into the depths of a very over grown section. Several potential holes were recorded and two feeding stations were noted in the area.



A detailed survey was made of water invertebrates by Frances Riding yielding a total of 17 different water beetles, one of which, *Helophorus strigifrons*, is nationally scarce. Three other water bugs were identified – common pond skater, a species of water scorpion and water cricket.

A huge Southern Hawker (*Aeshna cyanea*) dragonfly larvae was found adding to the four other species identified during the day. In addition a number of butterflies were recorded and several bugs.

A hedgehog tunnel was set out over two nights but with no conclusive evidence. Three other mammals or field signs were identified – rabbit, badger and wood mouse.



A detailed beetle survey was carried out by Caroline Uff with 17 species recorded with two (*Cantharis thoracica* and *Stenolophus mixtus*) of particular note.



Thanks to all the people who contributed to a very successful 24 hours: Mike Shurmer, Graham Wenman, Steve Butler, Caroline Uff, Sandra Whitlock, Isabel and Mike Carter, Frances Riding, Peter and Viv Thorpe, Di Long, Janet Martin, Gay Walker, Frances Hay, Peter and Jane Howsam (photographers) and Anna McCann

Species Lists

- Flora
- Moths
- Beetles
- Water Invertebrates
- Mammals
- Birds
- Dragonflies
- Butterflies

Flora survey 14.6.18

List of vascular plant species including axiophytes GR SO451932			
Recorder: Strettons Botany Group			
This was not intended as a complete survey; rather a rapid assessment looking especially for species not found in 2016. Only 2 of 4 fields were surveyed; Griffin centred on SO45179318 and Sankey, SO45059313.			
	Species Name	Common Name	Frequency
1.	<i>Agrostis stolonifera</i>	Creeping Bent	
2.	<i>Alnus glutinosa</i>	Alder	
3.	<i>Alopecurus geniculatus</i>	Marsh Foxtail	
4.	<i>Alopecurus pratensis</i>	Meadow Foxtail	
5.	<i>Angelica sylvestris</i>	Angelica	
6.	<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	
7.	<i>Apium nodiflorum</i>	Fool's Watercress	
8.	<i>Arctium minus</i>	Lesser Burdock	
9.	<i>Arrhenatherum elatius</i>	False Oat Grass	
10.	<i>Callitriche stagnalis</i>	Common Water Starwort	
11.	<i>Calystegia sepium</i>	Hedge Bindweed	
12.	<i>Carex leporina</i>	Oval Sedge	
13.	<i>Carex nigra</i>	Common Sedge	Abundant
14.	<i>Chamerion angustifolium</i>	Rosebay	
15.	<i>Cirsium palustre</i>	Marsh Thistle	
16.	<i>Comarum palustre</i>	Marsh Cinquefoil	Rare*
17.	<i>Dactylis glomerata</i>	Cocksfoot	
18.	<i>Deschampsia cespitosa</i>	Tufted hair-grass	
19.	<i>Elytrigia repens</i>	Couch Grass	
20.	<i>Epilobium hirsutum</i>	Great Willowherb	
21.	<i>Epilobium parviflorum</i>	Hoary Willowherb	
22.	<i>Epilobium tetragonum</i>	Square-stemmed Willowherb	
23.	<i>Equisetum arvense</i>	Field Horsetail	
24.	<i>Equisetum fluviatile</i>	Water horsetail	
25.	<i>Festuca rubra</i>	Red Fescue	
26.	<i>Filipendula ulmaria</i>	Meadowsweet	
27.	<i>Galium aparine</i>	Cleavers	
28.	<i>Galium palustre</i>	Marsh Bedstraw	
29.	<i>Glyceria fluitans</i>	Floating Sweet-grass	
30.	<i>Heracleum sphondylium</i>	Hogweed	
31.	<i>Holcus lanatus</i>	Yorkshire Fog	
32.	<i>Iris pseudacorus</i>	Yellow Iris	
33.	<i>Juncus acutiflorus</i>	Sharp-flowered rush	
34.	<i>Juncus articulatus</i>	Jointed Rush	
35.	<i>Juncus effusus</i>	Soft Rush	
36.	<i>Lathyrus pratensis</i>	Meadow Vetchling	
37.	<i>Lemna minor</i>	Common Duckweed	
38.	<i>Lonicera periclymenum</i>	Honeysuckle	
39.	<i>Lotus corniculatus</i>	Birdsfoot Trefoil	
40.	<i>Lotus pedunculatus</i>	Greater Birdsfoot Trefoil	
41.	<i>Mentha aquatica</i>	Water Mint	

42.	<i>Mimulus guttatus</i>	Monkey Flower	
43.	<i>Myosotis secunda</i>	Creeping forgetmenot	Frequent
44.	<i>Oenanthe crocata</i>	Hemlock Water Dropwort	
45.	<i>Pentaglottis sempervirens</i>	Green Alkanet	
46.	<i>Persicaria amphibia</i>	Amphibious Bistort	
47.	<i>Persicaria hydropiper</i>	Water Pepper	
48.	<i>Phalaris arundinacea</i>	Reed Canary-grass	
49.	<i>Poa trivialis</i>	Rough Meadow-grass	
50.	<i>Prunus spinosa</i>	Blackthorn	
51.	<i>Pulmonaria officinalis</i>	Lungwort	
52.	<i>Quercus petraea</i>	Sessile Oak	
53.	<i>Ranunculus acris</i>	Meadow Buttercup	
54.	<i>Ranunculus flammula</i>	Lesser Spearwort	
55.	<i>Ranunculus repens</i>	Creeping Buttercup	
56.	<i>Rosa canina</i>	Dog Rose	
57.	<i>Rubus fruticosus agg</i>	Bramble	
58.	<i>Rumex acetosa</i>	Common Sorrel	
59.	<i>Rumex crispus</i>	Curled Dock	
60.	<i>Rumex obtusifolius</i>	Broad-leaved Dock	
61.	<i>Salix caprea</i>	Goat willow	
62.	<i>Salix fragilis</i>	Crack Willow	
63.	<i>Scutellaria galericulata</i>	Skullcap	Abundant
64.	<i>Senecio jacobaea</i>	Common Ragwort	
65.	<i>Silene dioica</i>	Red Campion	
66.	<i>Silene flos-cuculi</i>	Ragged Robin	
67.	<i>Sparganium erectum</i>	Branched Bur-reed	
68.	<i>Stellaria graminea</i>	Lesser Stitchwort	
69.	<i>Taraxacum officinale</i>	Dandelion	
70.	<i>Typha latifolia</i>	Bulrush	
71.	<i>Urtica dioica</i>	Stinging Nettle	

Axiophytes in Bold

****Comarum palustre*** – found in one locality only at 45080 93152

Of interest *Sparganium erectum* – locally frequent at 45168 93252

Mammals

	Whiskered bat	(x1 fly pasts)	
	Noctule bat	(x8 fly pasts)	
	Common Pipistrelle bat	(x78 fly pasts)	
	Soprano Pipistrelle bat	(x4 fly pasts)	
	Nathusius Pipistrelle bat (unlikely)	(x2 fly pasts)	
	Rabbit	(field signs plus seen)	
	Badger	(field signs including latrine and trails)	
	Wood mice	Seen x3	

Possible field signs for water vole (not confirmed)

Holes noted at GPS locations 44969 93216, 44983 93213, 44973 93217 and 45005 93210. Feeding station at 44992 93210

Bird list - observed or heard 14.6.18 Recorder Isabel Carter			
	No	National Index Value	Shropshire Index value
Mallard (plus nest)	1		
Red Kite	1	5	
Buzzard	1	3	
Carrion Crow	3		
Wood Pigeon	2		
Feral pigeon	2		
Magpie	2		
Jackdaw	8		
Blue tit (plus nest)	9		
Great Tit	1		
Long Tailed Tit	3		1
Swallow	6		
Chiff Chaff	3		1
Blackcap	2		1
Nuthatch	1		2
Tree creeper	2		1
Wren	4		
Blackbird	3		
Song Thrush	1		
Robin plus fledglings	3		
Chaffinch	1		
Greenfinch	2		
Reed bunting	1		1

Dragonflies

Large Red damselfly x 2 adults
 Azure Damselfly x 6 adults male and female
 Beautiful Demoiselle female x 2 adult
 Beautiful Demoiselle male x 1 adult
 Southern Hawker larvae (*Aeshna cyanea*) x1

Butterflies

Common Blue x 2
 Small skipper x 2
 Speckled wood x 2
 Large white x 3

Moth survey 13.6.18 Stretton Wetlands SO 4592 Recorders Graham Wenman and Mike Shurmer					
Code	Taxon	Vernacular	Qty	Stage	Method
49.031	Aphelia paleana	Timothy Tortrix	2	Adult	Actinic light
49.109	Agapeta hamana	a moth	1	Adult	Actinic light
63.025	Anania hortulata	Small Magpie	1	Adult	Actinic light
63.037	Udea olivalis	a micro moth	2	Adult	Actinic light
63.08	Chrysoteuchia culmella	Garden Grass-veneer	6	Adult	LepiLED/Actinic
65.01	Tethea ocularis	Figure of Eighty	2	Adult	LepiLED/Actinic
69.003	Laothoe populi	Poplar Hawk-moth	1	Adult	Actinic light
70.029	Timandra comae	Blood-Vein	1	Adult	LepiLED
70.046	Orthonama vittata	Oblique Carpet	1	Adult	Actinic light
70.054	Xanthorhoe montanata	Silver-ground Carpet	2	Adult	LepiLED/Actinic
70.075	Hydriomena impluviata	May Highflier	1	Adult	LepiLED
70.097	Dysstroma truncata	Common Marbled Carpet	3	Adult	Actinic light
70.1	Colostygia pectinataria	Green Carpet	2	Adult	LepiLED/Actinic
70.226	Opisthograptis luteolata	Brimstone Moth	1	Adult	Actinic light
70.252	Biston betularia	Peppered Moth	1	Adult	LepiLED
71.02	Pterostoma palpina	Pale Prominent	1	Adult	LepiLED
72.002	Rivula sericealis	Straw Dot	1	Adult	Actinic light
72.015	Calliteara pudibunda	Pale Tussock	1	Adult	Actinic light
72.019	Spilosoma lutea	Buff Ermine	2	Adult	LepiLED/Actinic
72.031	Tyria jacobaeae	Cinnabar	1	Adult	LepiLED
73.04	Acronicta leporina	Miller	1	Adult	Actinic light
73.046	Subacronicta megacephala	Poplar Grey	1	Adult	Actinic light
73.047	Craniophora ligustri	Coronet	1	Adult	Actinic light
73.154	Apamea remissa	Dusky Brocade	1	Adult	Actinic light
73.271	Ceramica pisi	Broom Moth	1	Adult	Actinic light
73.317	Agrotis exclamationis	Heart and Dart	7	Adult	LepiLED/Actinic
73.328	Axylia putris	Flame	2	Adult	LepiLED/Actinic
73.333	Diarsia mendica	Ingrailed Clay	2	Adult	LepiLED/Actinic
73.342	Noctua pronuba	Large Yellow Underwing	3	Adult	LepiLED/Actinic
Daytime larval records					
32.039	Depressaria daucella	a moth	lots	40	
40.01	Mompha epilobiella	a moth	lots	40	
49.031	Aphelia paleana	Timothy Tortrix	lots	40	
Unknown larva on thistle to be determined					

Aquatic invertebrates for Stretton Wetland Bioblitz 2018

Recorder Frances Riding

	Species		Grid Ref	Habitat	Notes
Coleoptera	<i>Hydrobius fuscipes</i>	2	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Ilybius fuliginosus</i>	2	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Gyrinus substriatus</i>	2	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Hydroporus planus</i>	1	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Anacaena limbata</i>	1	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Anacaena globulus</i>	2	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Helophorus aequalis</i>	1	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Helophorus brevipalpis</i>	3	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Halipilus sibiricus</i>	1	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
Hemiptera	<i>Nepa cinerea</i>	1	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Velia caprai</i>	10	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
	<i>Gerris lacustris</i>	2	SO449932	Stream	Very slow flowing with bank vegetation and thick silt.
Coleoptera	<i>Agabus bipustulatus</i>	3	SO451932	Drain	Deep vegetated
	<i>Agabus nebulosus</i>	1	SO451932	Drain	Deep vegetated
	<i>Hydrobius fuscipes</i>	1	SO451932	Drain	Deep vegetated
	<i>Helophorus aequalis</i>	2	SO451932	Drain	Deep vegetated
	<i>Hydroporus planus</i>	1	SO451932	Drain	Deep vegetated
	<i>Anacaena limbata</i>	1	SO451932	Drain	Deep vegetated
	<i>Helophorus brevipalpis</i>	5	SO451932	Drain	Deep vegetated
	<i>Hydroporus obscurus</i>	1	SO451932	Drain	Deep vegetated
Hemiptera	<i>Velia caprai</i>	1	SO451932	Drain	Deep vegetated
Coleoptera	<i>Agabus bipustulatus</i>	2	SO449931	Temp pool	Pool under tree by roadside in field with many smooth newts
	<i>Lioporus haemorroidalis</i>	1	SO449931	Temp pool	Pool under tree by roadside in field with many smooth newts
	<i>Hydrobius fuscipes</i>	1	SO449931	Temp pool	Pool under tree by roadside in field with many smooth newts
	<i>Helophorus aequalis</i>	3	SO449931	Temp pool	Pool under tree by roadside in field with many smooth newts
	<i>Hydroporus planus</i>	1	SO449931	Temp pool	Pool under tree by roadside in field with many smooth newts

	<i>Hydroporus gyllenhalii</i>	1	SO449931	Temp pool	Pool under tree by roadside in field with many smooth newts
	<i>Helophorus strigifrons</i>	1	SO449931	Temp pool	Pool under tree by roadside in field with many smooth newts
	<i>Hydroporus palustris</i>	1	SO449931	Temp pool	Pool under tree by roadside in field with many smooth newts
	<i>Helophorus minutus</i>	1	SO449931	Temp pool	Pool under tree by roadside in field with many smooth newts

Beetles recorded in Stretton Wetlands 14.6.18 Recorder Caroline Uff							
Order	Vernacular	Taxon	Grid ref	Method	Sex	Stage	Comment
Coleoptera	green dock beetle	Gastrophysa viridula	SO450931	sweeping/hand search		adult	wetland - on dock
Coleoptera	a flea beetle	Crepidodera plutus	SO450931	sweeping/hand search		adult	wetland - on willow
Coleoptera	a leaf beetle	Hydrothassa marginella	SO450931	sweeping/hand search		adult	wetland - on creeping buttercup
Coleoptera	Swollen-thighed Beetle	Oedemera nobilis	SO450931	sweeping/hand search		adult	
Coleoptera	a soldier beetle	Cantharis thoracica	SO450931	sweeping/hand search		adult	wetland
Coleoptera	a soldier beetle	Cantharis cryptica	SO450931	sweeping/hand search		adult	wetland
Coleoptera	7-spot ladybird	Coccinella septempunctata	SO450931	sweeping/hand search		adult	
Coleoptera	a flea beetle	Aphthona nonstriata	SO450931	sweeping/hand search		adult	wetland - on yellow flag
Coleoptera	a ground beetle	Stenolophus mixtus	SO450931	sweeping/hand search		adult	wetland - on mud
Coleoptera	a leaf beetle	Chrysolina polita	SO450931	sweeping/hand search		adult	wetland - on water mint
Coleoptera	a ground beetle	Pterostichus rhaeticus	SO450931	sweeping/handsearch	m	adult	dissected
Coleoptera	green nettle weevil	Phyllobius pomaceus	SO450931	sweeping/hand search		adult	on nettle
Coleoptera	a ground beetle	Acupalpus dubius	SO450931	sweeping/hand search		adult	wetland - on mud
Coleoptera	a flea beetle	Crepidodera aurea	SO450931	sweeping/hand search		adult	wetland - on poplar
Coleoptera	a marsh beetle	Microcara testacea	SO450931	sweeping/hand search		adult	wetland
Coleoptera	a water scavenger beetle	Anacaena globulus	SO450931	sweeping/hand search		adult	wetland
Coleoptera	a water beetle	Helophorus aequalis	SO450931	sweeping/hand search		adult	wetland

