

Hungary in Summer

Naturetrek Tour Report

4 – 11 August 2015



European Bee-eater by Gerard Gorman



Dipsacus laciniatus by Paul Harnes



Oak Hook-tip by Paul Harnes



Penduline Tit by Gerard Gorman

Report and images by Gerard Gorman & Paul Harnes



Naturetrek Mingledown Barn Wolf's Lane Chawton Alton Hampshire GU34 3HJ UK

T: +44 (0)1962 733051

E: info@naturetrek.co.uk

W: www.naturetrek.co.uk

Tour Participants: Paul Harmes (Leader), Gerard Gorman (Local Guide) & Istvan (Driver)
With 13 Naturetrek Clients

Day 1

Tuesday 4th August

Fly Heathrow to Budapest – Transfer to the Kiskunsag Area

Thirteen group members met with Paul at London's Heathrow, Terminal 3 for the 8.50am British Airways flight BA866 to Budapest Ferenc Liszt International (formerly Ferihegy) Airport. On arrival we completed immigration formalities, collected our luggage, and made our way to the arrivals hall, where we were met by Gerard, our local guide, and Istvan, our driver for the week. We also met with Judith who had arrived on a separate flight from Manchester. Before very long, Istvan had loaded our luggage into the trailer, and we were on our way south towards the Kiskunsag National Park. After about an hour we passed through the village of Bugyi, making a stop on a wide verge to the south of the village. Here we had a snack, and got our first look at this sandy habitat. Marsh Harrier and Red-backed Shrike were seen, as well as Eastern Bath White, Small White, Chestnut Heath, Idas Blue and Chapman's Blue butterflies. Among the plants here were *Salvia nemorosa* (Woodland Sage), *Consolida regalis* (Forking Larkspur), *Plantago indica* and *Elaeagnus angustifolia* (Russian Olive).

From here, we moved on to an area of ancient relict sand dunes, near Kundeszer. Along the way we saw a number of European Rollers, Common Buzzard, Tree Sparrow and a good sized flock of European Bee-eaters. We walked out onto one of the dunes, to scan for wildlife. Unfortunately, little was moving apart from butterflies, which included Silver-studded Blue, Meadow Brown and Glanville Fritillary. Common Buzzard and Common Kestrel were recorded, together with Corn Bunting. For the botanists there was *Echium vulgare* (Viper's-bugloss), *Potentilla argentea* (Hoary Cinquefoil), and *Limonium gmelinii* subsp. *hungaricum* (a Sea-lavender), a relic of a former, ancient saline habitat.

It was now time to make our way to our hotel. The Kunsagi Major is situated in the plains, some ten minutes from Kunpuszta. Here we were met by Richard, our host for the next two nights. We soon settled into our rooms and freshened up, before meeting for dinner. Around the Hotel, Little Owl was heard and Bee-eaters and House Martins were seen.

After our meal, Gerard outlined the next day and Paul set the moth trap.

Day 2

Wednesday 5th August

Kis-ret & Bodi-szek Saltlakes and Alcasto fishponds

At 6.30am, several group members met with Paul, to check to moth trap, and identify the catch. Peppered Moth [f. *insularia*], Buff-tip, Small Elephant Hawk-moth, Blood-vein, Barred Silver, Barred Sallow, Ruby Tiger, Square-spot, Pale Shoulder and Cream-bordered Green Pea were all recorded for the Macros, and European Corn-borer, a Tortrix (*Agapeta zoegama*) and Garden Grass Veneer for the Micros. Other group members met with Gerard, who led a bird walk around the grounds of the Hotel. Stonechat, Hoopoe, Golden Oriole, Black Redstart and European Bee-eater were all seen.

Following breakfast, we joined the vehicle at 9am, and left the hotel, heading in a south-westerly direction. Along the way European Roller, Red-backed Shrike, Yellow-legged Gull, Northern Lapwing and Common Kestrel were all seen, as well as good stands of *Asclepia syriaca*, *Robinia pseudacacia* (False Acacia) and *Ailanthus altissima* (Tree-of-Heaven). Our first stop was west of the town of Szabadszallas, in the Kis-ret salt lake. Immediately, we were aware of a good numbers of butterflies. Swallowtail, Common Blue, Essex Skipper, Grizzled Skipper and Meadow Brown was all recorded, as well as a large female specimen of Sand Lizard. Meanwhile, Gerard found a small group of Common Crane, Wood Sandpiper, Ruff, Spotted Redshank and Whiskered Tern. Plants included *Althaea officinalis* (Marsh-mallow) and *Bolboschoenus maritimus* (Sea Clubrush) both growing some five hundred miles from the nearest coast, as relics of a past, saline habitat, as well as *Inula ensifolia* and *Medicago sativa* subsp. *sativa* (Lucerne).

Moving on, we headed towards a second salt lake complex at Bodi-szek. Along the way we stopped at Kigyosi Csarda Panzio for refreshments and to explore a large pond, some woodland and a canal. Mute Swan, Golden Oriole and Great Spotted Woodpecker were recorded along with Queen of Spain Fritillary and Common Spread-wing and Common Blue-tail Damselflies. Plants included *Elaeagnus angustifolia* (Russian Olive), *Humulus lupulus* (Hop) and *Pastinaca sativa* (Wild Parsnip).

At Bodi-szek, near the village of Jaraspuszta, we stopped in an area of sandy grassland, with small outlying tree groups. Immediately, we were aware of a good number of Red-footed Falcons, which utilise a combination of nest boxes erected for European Rollers, and old Corvid nests. Gerard pointed out the differences between the males, females and juveniles, before we moved on to the lake. Here, we encountered three Eurasian Stone-curlew, White-tailed Eagle, Avocet, Common Redshank, Ruff, Marsh Harrier and White Stork, before setting up our picnic out of the hot sun. The vegetation here was rather burnt up by the hot sun, but *Phragmites australis* (Common Reed), *Taeniatherum caput-medusa* (Medusahead) and *Puccinellia distans* (Reflexed Saltmarsh Grass) were identified.

Our next stop was at the Akasto fish ponds. Here we saw two of the Marsh Terns, White Winged and Black, Humming-bird Hawk-moth, Small White butterfly and more *Althaea officinalis* (Marsh-mallow), before heading back to our base for dinner.

Day 3

Thursday 6th August

Transfer from the Kiskunsag National Park to the Hortobagy National Park.

At 6.30, we met up to check the moth trap. A number of new species made this morning rather exciting. These included Yellow Horned, Scarce Merveille du Jour, Chocolate Tip, Small Elephant Hawk-moth, Oak Hook-tip, Four-spotted Small Mottled Willow and Square-spot for the Macros and Barred Fruit-tree Tortrix, Gold Triangle, the Tortrix *Argyrotaenia ljungiana* and the Pyralid *Nyctegretis lineana* for the micros. Squacco Heron, Wood Sandpiper, four Common Cuckoos, Turtle Dove and Hobby were all seen by the birders. As we were preparing for the next leg of our journey, several of the group spotted a pair of European Sousliks feeding in one of the horse paddocks.

By 9am, the trailer was packed with our luggage, and we said our farewells to the Kunsagi Major Hotel, and set off for the town of Bugyi. To the south of the town, we made two stops in the sand fields and arable margins. Along the way we saw Red-backed Shrike, White Stork and European Roller.

In the fields we found Oberthur's Grizzled Skipper, Pale Clouded Yellow, Chestnut Heath, Chalkhill Blue and Lesser Fiery Copper. The curious Nose Grasshopper was also noted. For the plants, we found *Ononis arvensis* (a Restharrow), *Plantago indica*, *Petrorhagia prolifera* (Proliferous Pink), *Cuscuta campestris* (Yellow Dodder), *Achillea asplenifolia* and *Hibiscus trionum* (Bladder Ketmia). For the birders there were Northern Wheatear, Black Stork, Eurasian Sparrowhawk and Montagu's Harrier.

On the south-west outskirts of Budapest city, we joined the M0, Budapest's orbital motorway, and then, to the north of the city, we transferred to the M3 eastwards. After an hour or so, we stopped at a Service Area with a wooded picnic area, where we set up our lunch. During the meal, Lesser and Great Spotted Woodpeckers both put in an appearance, eventually showing well in the *Tilia cordata* (Small-leaved Lime) trees.

Re-joining the motorway, we continued eastwards, stopping once more at a Service Area for fuel. Here we added several Crested Larks. Just before Fuzesabony, we turned south east towards Poroszlo, and crossed Lake Tisza. Here, we recorded Black-headed and Yellow-legged Gulls, Great Crested Grebe, Great Cormorant, Great Egret, Lapwing and Pigmy Cormorant.

We made our way into the Hortobagy National Park, continuing via Egyek, and it was not too long before we arrived at the Tiszacsege Hotel, on the bank of the River Tisza. After settling into our rooms, and freshening up, we met up for dinner.

Day 4

Friday 7th August

Hortobagy National Park - Kocsujfaluto – Szasztelek - Balmazujvaros

The overnight moth trapping produced, once again, a number of new species, given the change of habitat from the Kiskunsag. The catch included Puss Moth, Swallow Prominent, Black 'V' Moth, Clouded Border, Red Underwing, Scarce Footman, Buff-tip, Poplar Grey and Coronet. After the initial checking, the group joined Gerard for an early morning walk along one of the flowery canal banks, which produced Black Redstart, Barn Swallow, Common House Martin and Kingfisher.

After breakfast, Paul demonstrated the pick of the moth catch before we set off to the part of the Hortobagy Nemzeti (National) Park, to the south-east of Tiszacsege. Passing through Ohat, we made our first stop in vast open fields near Kocsuifalu. Here, we rendezvoused with one of the park Rangers, Zsolt, who was going to spend the morning with us. One of our target species was Great Bustard, and a single bird was seen some way off. Butterflies were quite active with Chapman's Blue, Idas Blue and Clouded Yellow amongst them. The field margins were bluish-purple with *Consolida regalis* (Forking Larkspur)

Next, we moved to the margins of a large fishpond at Szasztelek, following a track along the southeast side of the water. *Arctium nemorosum* (Burdock), *Lactuca virosa* (Greater Lettuce), *Prunus cerasus* (Dwarf Cherry), *Lythrum virgatum* and *Nuphar lutea* (Yellow Water-lily) were found. The birding was a little slow, with Pigmy Cormorant, Grey Heron and Whiskered Tern the main species seen. There were, however, one or two new butterfly species, with Red Admiral and Peacock Butterfly added.

A refreshment stop was made in Hortobagy village, where Gerard found a roosting Long-eared Owl in a street tree. Unfortunately, the bird was slightly obscured by a branch, but the whole group did get a view.

Our next location was an extensive area of Maize fields southwest of Balmazuivaros, where our principal objective was an electricity tower which had had a Saker Falcon nest on it in the early summer. We were not disappointed. A solitary bird was still in residence. Zsolt explained that these birds can start their migration as early as the last week in July, so we were very fortunate. We also found *Abutilon theophrasti* (Velvetleaf) and *Datura stramonium* (Thorn-apple), the former was being visited by Swallowtail butterflies.

Lunch was taken on the banks of a canal, and it was at this point that Zsolt had to leave us. Golden Oriole serenaded us during our picnic.

We now moved further east and spent some time exploring two separate areas of pasture to the north-west of Balmazuivaros. Along the way we saw Lesser Grey Shrike, Common Kestrel and European Roller. As it was now very hot, bird life was much reduced. However, Chapman's Blue, Clouded Yellow, Small Heath and Meadow Brown were all active, and there were a good number of stands of *Limonium gmelinii* (a Sea-lavender).

The bridge on the Nyugati-főcsatorna (Western Main Canal) was our final scheduled site. Here, we explored a track, for insects and plants. Along the track, Essex Skipper, Eastern Bath White, Small Heath and Large Skipper butterflies were all recorded. Agile Frog and Edible Frog were also recorded. In the canal there was a good display of *Hydrocharis morsus-ranae* (Frogbit), *Salvinia natans* (Floating Fern), and *Potamogeton natans* (Broad-leaved Pondweed), whilst the banks had *Pyrus pyraeaster* (Wild Pear) and extensive patches of *Gleditsia triacanthos* (Honey Locust).

As we began to make our way back to the hotel, we had not gone more than 400 yards when a solitary Montagu's Harrier, Marsh Harrier, Short-toed Snake-Eagle, Corn Bunting and Yellow Wagtail were all seen, with great views of the raptors.

It was now time to make our way back to the hotel.

Day 5

Saturday 8th August

Ohat Fishponds – Egyek Oxbow Lake – The Bukk Hills

Today we bid farewell to the Hortobagy National Park, but not before we had checked the moth trap. New finds included Buff Ermine, Riband Wave, Small Chocolate Tip, Pebble Prominent and Rosy Marbled. The birders, meanwhile, recorded Black Redstart, Syrian Woodpecker, Turtle Dove, Great Spotted Woodpecker and Middle Spotted Woodpecker.

After breakfast, we began the journey north to another of this country's vast National Parks, in the Bukk Hills. With luggage stowed in the trailer, we boarded the minibus and set off in the direction of Ohat, where we stopped at another of the many fishponds. This time we were on the trail of Bearded Reedling and Penduline Tit. To begin with, we recorded Peacock Butterfly and Large White, as well as Great Egret, Water Rail, Eurasian Reed Warbler and Common Kingfisher. We also found our target species, and all group members had reasonable views. Plants included *Prunus cerasifera* (Cherry Plum), *Lycopus europaeus* (Gypsywort), *Dipsacus laciniatus* (Cut-leaved

Teasel) and *Tanacetum vulgare* (Tansy). In addition we also recorded Wasp Spider, Red-winged Grasshopper, Broad Scarlet dragonfly and Banded Demoiselle damselfly.

Moving on, we made our way towards Egyek and the Tiszadorogma Ferry. Just short of the crossing, we stopped to explore a quiet wooded lane, an oxbow lake and canal banks. In the morning sunshine, day-flying moths and butterflies were now on the move, with Silver-washed Fritillary, Map Butterfly, Holly Blue, Eastern Pale Clouded Yellow, Lesser Purple Emperor [f. *chytie*] and Purple Emperor butterflies, and Spotted Sulphur and Four-spotted moths all noted. Along the canal banks *Verbascum nigrum* (Dark Mullein) and *Erigeron annuus* (Annual Fleabane) were found and, in the woodland, *Stellaria nemorum* (Wood Stitchwort). The oxbow lake had Purple Heron, Little Grebe and Common Kingfisher, whilst the woodland gave us some very good views of Lesser Spotted Woodpecker.

We now took the ferry across the River Tisza to Tiszadorogana. On the north side, we stopped for refreshments. As we were making our way to the café, one or two obliging Lesser Purple Emperor butterflies chose to sit on several group members and on the ground.

We now continued on our way to the Bukk Hills, making our way over the motorway and on to the village of Cserepfalu, where we took our picnic in the shade of some Mulberry trees, in the village.

Our final stop of the day was a grassy clearing in the trees to north of Cserepfalu. This was a particularly well-known spot for butterflies; we were not disappointed. Common Glider, Queen of Spain Fritillary, Holly Blue, Sloe Hairstreak, Duke of Burgundy Fritillary, Great Banded Grayling, Dark Green Fritillary, Wood White, Comma Butterfly and Large Skipper were all recorded.

The final leg of the journey saw us arriving at the Hotel Nomad at Noszvaj, where we were met by the manageress, Barbara, who soon had us settling into our rooms, in time for a little local exploring before dinner.

Day 6

Sunday 9th August

Bogacs – Hor Reservoir - Tard

The early morning moth trap yielded Silver-Y, Buff Footman, Tree-lichen Beauty, The Flame, Drab Looper and White Point. Meanwhile, the birders had great views of Grey-headed Woodpecker, Green Woodpecker and Northern Raven.

At 9am, we left the Nomad Hotel, and drove down to Bogacs, where we made an early stop, just north of the village, at the site of an old drive-in movie theatre. Here we began to explore the scrubby field margins and rough grassland, finding Small White, Small Heath, Small Copper, Adonis Blue, Weaver's Fritillary, Brown Argus and Sooty Copper butterflies, and Common Heath and Burnet Companion moths. Plants included *Carlina vulgaris* (Carline Thistle), and *Centaureum erythraea* (Centaury). Entering some woodland, with 'Tufa' outcrops, containing wine stores, we added Sand Lizard, *Phytolacca esculenta* (Indian Pokeweed) and *Silene baccifer* (Berry Catchfly).

Our next stop was at the Hor Reservoir. Birdlife here was much more active with Grey Heron, Spotted Redshank, Greenshank, Northern Lapwing, Little Gull, Black-winged Stilt, Montagu's Harrier, Long-legged Buzzard, Eurasian Honey Buzzard and White-tailed Eagle. We also saw several Banded Demoiselle Damselflies.

The lake margins had *Veronica anagallis-aquatica* (Blue Water Speedwell), *Trifolium aureum* (Golden Clover), *Potentilla supina* and *Rumex palustris* (Marsh Dock)

It was decided that the reservoir was too exposed to the hot sun, so we sought out some shade for our picnic, above the village of Cserepyaralja. During lunch a Lesser Spotted eagle, Hawfinch and Icterine Warbler were all seen, and *Viola suavis*, *Solidago gigantea* (Early Goldenrod) and *Campanula rapunculoides* (Rampion Bellflower) were also added.

The village of Cserepyaralja has a track running up a stream valley, with some waste ground and some quite extensive woodland. *Chenopodium bouchonii* was seen, together with *Sambucus ebulus* (Dwarf Elder), which was proving irresistible as nectar source for butterflies. Purple-edged Copper, Brown Hairstreak, Sloe Hairstreak, Red Admiral, Lesser Purple Emperor and Dryad were all reported. Lesser Spotted Woodpecker and Hawfinch were also present.

Time was moving on, so we made our way down towards the village of Tard. Just outside the village, we set out to explore some pasture margins, where *Cirsium canum* and *Trifolium hybridum* (Alsike Clover) were found, while Dryad, Silver-studded Blue, Dingle Skipper and Short-tailed Blue were busy nectaring.

It was now time to return to the Nomad for dinner.

Day 7

Monday 10th August

Hor Valley

This morning, the moth trap produced Nut-tree Tussock, Buff Arches, Mocha, Scarce Silver-lines and Scarce Footman for the Macros, and Small Magpie, Large Fruit-tree Tortrix and the Crambid *Pyrausta purpuralis* for the Micros. Meanwhile, the early birders saw Black Redstart, Eurasian Blackcap and Hawfinch.

After breakfast, we made our way back through the villages of Bogacs and Cserepfalu, stopping by the visitor centre at the south end of the Hor Valley. Leaving the minibus, we set off to spend the morning exploring the valley. The habitat comprised of a good track, wooded hillsides and tracksides, a quarry and some grassy meadows. The Hor stream runs right down the length of the valley. Our first stop, in a small quarry, which acted as a sun-trap, produced some splendid, fresh specimens of Chalkhill Blue, Silver-washed Fritillary [f. *valezina*], Red Admiral, Queen of Spain Fritillary and Short-tailed Blue. As we progressed, following the stream through woodland, a ledge produced *Allium flavum* (a Yellow Onion), *Berberis vulgaris* (Barberry), *Euonymus verrucosus* (Eastern Spindle tree) and *Jovibarba globifera* (a Houseleek). Great Banded Grayling, Common Glider and Speckled Wood butterflies were also added. Further on, woodland gave way to meadows. The marginal vegetation of the meadows comprised mainly of *Dipsacus pilosus* (Small Teasel), *Aethusa cynapium* (Fool's Parsley), *Sambucus ebulus* (Dwarf Elder) and *Tanacetum vulgare* (Tansy), the latter two proving irresistible to large numbers of Silver-washed Fritillaries and Duke of Burgundy Fritillaries. A little further on, Gerard located the elusive White-backed Woodpecker, and the birders got reasonable views. Gerard explained the way this particular Woodpecker strips the bark from dead trees in search of beetle grubs, and pointed out several examples.

We now began to make our way back to the vehicle. Along the way we added Chequered Blue, Eastern Pale Clouded Yellow, Swallowtail, Common Blue and Woodland Grayling. When we got back to the bus, we made

our way into Cserepfalu, where took lunch, once again, under the Mulberry trees. As we ate, a small flock of Serin were observed on an adjacent electricity overhead line.

After lunch we made our way north of the village, where we took an afternoon walk through some woodland, opening up into rough grassland, with muddy tracks. Once again, the afternoon heat meant that the birdlife was very quiet, although, we did see fleeting glimpses of Bee-eaters and heard a distant, brief call of Black Woodpecker. However, we did very well, once again, for butterfly species. Woodland Grayling, Dark Green Fritillary, Glanville Fritillary, Wood White, High Brown Fritillary, Niobe Fritillary and Silver-washed Fritillary [f. *valezina*] were all recorded. Additional plant species included *Acer tartaricum* (Tartarian Maple), and *Petrorhagia saxifraga* (Tunic Flower).

We now made our way back to the Nomad, in order to pack for tomorrow's journey home, before dinner.

Day 8

Tuesday 11th August

Transfer to Budapest Airport – Fly London

The early bird walk recorded Great Tit, White Wagtail and heard Black Woodpecker and Golden Oriole. Paul had not set a moth trap the previous night, but did find Willow Beauty roosting near the hotel lights.

Following another spoilt-for-choice, breakfast, it was time to set off to Budapest. We thanked Barbara and her family, our wonderful hosts at the Nomad Hotel, and boarded our bus to the airport. As we joined the westbound motorway, we began to notice a large number of Common Buzzards sitting on the posts of the boundary fences along the road. It was not obvious why they seem to be gathering in this way, but we gave up counting after we passed 100! During a break along the way, at a service area, we had close views of Crested Lark.

At Budapest Ferenc Liszt International Airport, we said our farewells to Judith, Louise and Ken, who were staying on in Hungary, and to Gerard and Istvan, before checking in for our British Airways flight BA867 to Heathrow.

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Species Lists

Plants

Nomenclature contained within this list follows the taxonomic amendments, based on DNA analysis, made by the Royal Botanic Gardens, Kew and the Missouri Botanic Garden, and following The Plant List, an internationally accepted list of vascular plant families, published and maintained by these two Institutions.

Scientific name	Common name	Location
PTERIDOPHYTES		
FERNS & ALLIES		
Calamophytes		
Horsetails		
Equisetaceae	Horsetail Family	
<i>Equisetum arvense</i>	Field Horsetail	Tiszacsega
Leptosporangiate Ferns		
True Ferns		
Salviniaceae	Water-fern Family	
<i>Salvinia natans</i>	Floating Fern	Canal Cserepes
Pre-Dicots		
Primitive Angiosperms		
Aristolochiaceae	Birthwort Family	
<i>Aristolochia clematitis</i>	Birthwort	Hor Valley
Nymphaeaceae	Water-lily Family	
<i>Nuphar lutea</i>	Yellow Water-lily	Szasztelek Fishpond
Eu-Dicots		
True Dicotyledons		
Adoxaceae	Moschatel Family	
<i>Sambucus ebulus</i>	Dwarf Elder	N of Cserepfalu
<i>Sambucus nigra</i>	Elder	Roadsides
<i>Viburnum lantana</i>	Wayfaring-tree	Hor Valley
Amaranthaceae	Pigweed family	
<i>Amaranthus bouchonii</i>	-	S of Bugyi
<i>Amaranthus hybridus</i>	Green Pigweed	Tiszacsega
<i>Chenopodium album</i>	Fat Hen	S of Bugyi
Apiaceae	Carrot Family	
<i>Eryngium campestre</i>	Field Eryngo	S of Bugyi
<i>Falcaria planum</i>	-	Roadsides
<i>Falcaria vulgaris</i>	Long-leaf	Tiszacsega
<i>Daucus carota</i>	Wild Carrot	Common
<i>Pastinaca sativa</i>	Wild Parsnip	Common
<i>Seseli libanotis (Libanotis pyrenaica)</i>	Moon Carrot	Hor Valley
<i>Torilis arvensis</i>	Spreading Hedge Parsley	Hor Valley

Scientific name	Common name	Location
Araliaceae <i>Hedera helix</i>	Ivy Family Common Ivy	S of Noszvaj
Asclepiadaceae <i>Asclepia syriaca</i>	Milkweed Family -	Common
Balsaminaceae <i>Impatiens parviflora</i>	Balsam Family Small Balsam	Noszvaj
Berberidaceae <i>Berberis vulgaris</i>	Barberry Family Barberry	Hor Valley
Betulaceae <i>Alnus glutinosa</i> <i>Carpinus betulus</i> <i>Corylus avellana</i>	Birch Family Alder Hornbeam Hazel	Noszvaj Roadsides Roadsides
Boraginaceae <i>Echium vulgare</i> <i>Myosotis scorpioides</i> <i>Symphytum officinale</i>	Borage Family Viper's Bugloss Water Forget-me-not Common Comfrey	S of Bugyi Cserepes Kocsujfalu
Brassicaceae <i>Alyssum montanum</i> <i>Armouracea rusticana</i> <i>Berteroa incana</i> <i>Sisymbrium strictissimum</i>	Cabbage Family Mountain Allison Horse-raddish Hoary Alison Tumbling Mustard	Tizzacsega Hor Reservoir S of Bugyi Hor Valley
Campanulaceae <i>Asyneuma canescens</i> <i>Campanula persicifolia</i> <i>Campanula rapunculoides</i>	Bellflower Family - Peach-leaved Bellflower Rampion Bellflower	Hor Valley N of Cserepfalu Cserepvaralja
Cannabaceae <i>Cannabis sativa</i>	Cannabis Family Cannabis or Hemp	S of Bugyi
Caprifoliaceae <i>Dipsacus laciniatus</i> <i>Dipsacus fullonum</i> <i>Dipsacus pilosus</i> <i>Scabiosa ochroleuca</i>	Honeysuckle Family Cut-leaved Teasel Teasel Small Teasel Yellow Scabious	Cserepes Occasional on Roadsides Ohat S of Bugyi
Caryophyllaceae <i>Petrorhagia dubia (P. velutina)</i> <i>Petrorhagia prolifera</i> <i>Petrorhagia saxifraga</i> <i>Sagina nodosa</i> <i>Saponaria officinalis</i> <i>Silene baccifera</i> <i>Silene latifolia</i> <i>Silene otites</i> <i>Silene vulgaris</i> <i>Stellaria nemorum</i>	Pink Family a Pink Proliferous Pink Tunic Flower Knotted Pearlwort Soapwort Berry Catchfly White Campion Spanish Catchfly Bladder Campion Wood Stitchwort	S of Bugyi Tizsascege N of Cserepfalu Kis-ret Salt Lake Cserepvaralja S of Noszvaj S of Bugyi Hor Valley Tizzacsega Tizsadorogma Ferry

Scientific name	Common name	Location
Celastraceae <i>Euonymus verucosus</i>	Spindle Family Eastern Spindle	Hor Valley
Ceratophyllaceae <i>Ceratophyllum demersum</i>	Hornwort Family Rigid Hornwort	Cserepes
Compositae (Asteraceae) <i>Achillea aspleniifolia</i> <i>Achillea millefolium</i> <i>Ambrosia artemisiifolia</i> <i>Arctium minus</i> <i>Artemisia absinthium</i> <i>Bidens tripartita</i> <i>Carduus crassifolius</i> subsp. <i>glaucus</i> <i>Carduus crispus</i> <i>Carlina vulgaris</i> subsp. <i>vulgaris</i> <i>Centaurea jacea</i> subsp. <i>jacea</i> <i>Cichorium intybus</i> <i>Cirsium arvense</i> <i>Cirsium canum</i> <i>Conyza canadensis</i> <i>Echinops ruthenicus</i> <i>Echinops sphaerocephalus</i> <i>Erigeron annuus</i> <i>Inula ensifolia</i> <i>Lactuca virosa</i> <i>Solidago canadensis</i> <i>Solidago gigantea</i> <i>Tanacetum vulgare</i> <i>Xanthium italicum</i>	Daisy Family a Milfoil Yarrow Ragweed Lesser Burdock Wormwood Trifid Bur-marigold Wetted Thistle Carline Thistle - Chicory Creeping Thistle - Canadian Fleabane - Globe Thistle - Great Lettuce Canadian Goldenrod - Tansy -	Kis-ret Salt Lake S of Bugyi S of Bugyi N of Cserepfalu Ohat Akaszto Fishpond Tiszacsega Common S of Noszvaj S of Bugyi Common on roadsides Cserepes Tard S of Bugyi Hor Valley Roadsides Tiszadorogma Ferry Kis-ret Salt Lake Cserepes Roadsides Cserepvaralja Ohat N of Bugyi
Convolvulaceae <i>Calystegia sepium</i> <i>Convolvulus arvensis</i> <i>Cuscuta campestris</i>	Bindweed Family Hedge Bindweed Field Bindweed Yellow Dodder	Ohat Arable margins S of Bugyi
Cornaceae <i>Cornus mas</i> <i>Cornus sanguineus</i>	Dogwood Family Cornelian Cherry Dogwood	Hor Valley Hor Valley
Crassulaceae <i>Sedum album</i> <i>Sedum sexangulare</i> <i>Sedum telephium</i> <i>Sempervivum (Jovibarba) globiferum</i>	Stonecrop Family White Stonecrop Tasteless Stonecrop Orpine -	Hor Valley Hor Valley Hor Valley Hor Valley
Cucurbitaceae <i>Bryonia dioica</i>	White Bryony Family White Bryony	Cserepfalu
Elaeagnaceae <i>Elaeagnus angustifolius</i>	Sea-buckthorn Family Russian Olive	Common

Scientific name	Common name	Location
Euphorbiaceae <i>Euphorbia cyarissias</i> <i>Euphorbia paralias</i>	Spurge Family Cypress Spurge Sea Spurge	S of Bugyi Kis-ret Salt Lake
Fagaceae <i>Fagus sylvestris</i> <i>Quercus frainetto</i> <i>Quercus rubra</i>	Beech & Oak Family Beech Hungarian Oak -	Noszvaj M'Way Services (Woodland) Cserepvaralja
Gentianaceae <i>Centaureum erythraea</i>	Gentian Family Centaury	S of Noszvaj
Geraniaceae <i>Erodium cicutarium</i>	Geranium Family Common Stork's-bill	Tiszacesege
Hypericaceae <i>Hypericum perforatum</i>	St. John's-wort Family Perforate St. John's-wort	S of Noszvaj
Juglandaceae <i>Juglans regia</i>	Walnut Family Walnut	Planted
Lamiaceae <i>Ballota nigra</i> <i>Clinopodium vulgare</i> <i>Glechoma hederea</i> <i>Lamium album</i> <i>Lathyrus pratensis</i> <i>Lycopus europaeus</i> <i>Marrubium peregrina</i> <i>Mentha aquatica</i> <i>Mentha longifolia</i> <i>Mentha pulegium</i> <i>Origanum vulgare</i> <i>Prunella grandiflora</i> <i>Prunella vulgaris</i> <i>Salvia nemorosa</i> <i>Stachys palustris</i> <i>Thymus polytrichus</i>	Mint family Black Horehound Wild Basil Ground Ivy White Dead-nettle Meadow Vetchling Gypsywort - Water Mint Horse Mint Pennyroyal Marjoram Large Selfheal Selfheal Woodland Sage Marsh Woundwort Wild Thyme	Kocsujfalu Hor Valley Tiszadorogma Ferry S of Noszvaj Tiszacsega Akaszto Fishpond Kunsagi Major Wet ditches Tiszadorogma Ferry Tiszadorogma Ferry Hor Valley S of Bugyi Tiszadorogma Ferry S of Bugyi Cserepes Arable margins
Leguminosae (Fabaceae) <i>Astragalus glycyphyllos</i> <i>Galega officinalis</i> <i>Gleditsia triacanthos</i> <i>Glycyrrhiza echinata</i> <i>Lathyrus tuberosus</i> <i>Lotus corniculatus</i> <i>Medicago sativa</i> subsp. <i>sativa</i> <i>Melilotus albus</i> <i>Melilotus altissimus</i> <i>Melilotus officinalis</i> <i>Ononis arvensis</i> <i>Robinia pseudacacia</i> <i>Trifolium aureum</i>	Pea family Wild Liquorice Goat's-rue Honey Locust - Tuberous Pea Bird's-foot Trefoil Lucern White Melilot Tall Melilot Ribbed Melilot a Restharrow False Acacia Golden Clover	Tiszadorogma Ferry Ohat Ohat Tiszadorogma Ferry Kis-ret Salt Lake S of Bugyi Kocsujfalu Roadsides Kocsujfalu Roadsides Near Kunsagi major Roadsides Hor Reservoir

Scientific name	Common name	Location
<i>Trifolium diffusum</i>	-	Noszvaj
<i>Trifolium hybridum</i>	Alsike Clover	Tard
<i>Trifolium pratense</i>	Red Clover	Tard
<i>Trifolium repens</i>	White Clover	Common
<i>Vicia cracca</i>	Tufted Vetch	Tizacsega
Linaceae	Flax Family	
<i>Linum perenne</i> agg.	Perennial Flax	S of Bugyio
Lythraceae	Purple-loosestrife Family	
<i>Lythrum salicaria</i>	Purple-loosestrife	Roadside ditches
<i>Lythrum virgatum</i>		Szasztelek
Malvaceae	Mallow Family	
<i>Abutilon theophrasti</i>	Velvetleaf	Arable margins
<i>Althaea officinalis</i>	Marsh-mallow	Bodi-Szek Salt Lake
<i>Hibiscus trionum</i>	Bladder Ketmia	S of Bugyi
<i>Malva sylvestris</i>	Common Mallow	Roadsides
<i>Tilia cordata</i>	Small-leaved Lime	M'Way Services (Woodland)
Oleaceae	Olive Family	
<i>Fraxinus excelsior</i>	Ash	Common
<i>Ligustrum vulgare</i>	Wild Privet	Common
Onagraceae	Willowherb Family	
<i>Epilobium hirsutum</i>	Great Willowherb	Szasztelek
Orobanchaceae	Broomrape Family	
<i>Melampyrum nemorosum</i>	a Cow-wheat	Hor Valley
Papaveraceae	Poppy Family	
<i>Chelidonium majus</i>	Greater Celandine	M'Way Services
Phytolaccaceae	Pokeweed Family	
<i>Phytolacca esculenta</i>	Indian Pokeweed	Hor Valley
Plantaginaceae	Plantain Family	
<i>Linaria vulgaris</i>	Common Toadflax	Roadsides
<i>Plantago indica</i>	-	S of Bugyi
<i>Plantago lanceolata</i>	Ribwort Plantain	S of Bugyi
<i>Plantago major</i>	Greater Plantain	Szasztelek
<i>Plantago maritima</i>	Sea Plantain	Bodi-Szek Salt Lake
<i>Plantago media</i>	Hoary Plantain	S of Bugyi
<i>Veronica beccabunga</i>	Brooklime	Tizadorogma Ferry
<i>Veronica anagallis-aquatica</i>	Blue Water Speedwell	Hor Reservoir
Plumbaginaceae	Thrift Family	
<i>Limonium gmelinii</i>	a Sea-lavender	Common on roadsides
Polygonaceae	Knotweed Family	
<i>Fallopia japonica</i>	Japanese Knotweed	Csereparalja
<i>Persicaria hydropiper</i>	Water-pepper	N of Cserepfalu
<i>Persicaria maculosa</i>	Red-shank	Akaszto Fishpond

Scientific name	Common name	Location
<i>Polygonum aviculare</i>	Knotgrass	Szasztelek
<i>Rumex crispus</i>	Curled Dock	Szasztelek
<i>Rumex hydrolapathum</i>	Water Dock	Szasztelek
<i>Rumex obtusifolius</i>	Broad-leaved Dock	Roadsides
<i>Rumex palustris</i>	Marsh Dock	Hor Reservoir
<i>Rumex patientia</i>	Patience Dock	Kocsujfalu
<i>Rumex thyrsoiflorus</i>	-	Tiszacege
Portulacaceae	Purslane Family	
<i>Portulacca oleracea</i>	Common Purslane	Bodi-szek Salt Lake
Primulaceae	Primrose Family	
<i>Glaux maritima</i>	Sea-milkwort	Kis-ret Salt Lake
<i>Lysimachia nummularia</i>	Creeping Jenny	Tiszadorogma Ferry
Ranunculaceae	Buttercup Family	
<i>Clematis vitalba</i>	Traveller's-joy	Tiszadorogma Ferry
<i>Consolida regalis</i>	Forking Larkspur	S of Bugyi
<i>Ranunculus repens</i>	Creeping Buttercup	Tard
Roseaceae	Rose Family	
<i>Agrimonia eupatoria</i>	Agrimony	Kis-ret Salt Lake
<i>Agrimonia procera</i>	Fragrant Agrimony	Keleti focsatorna Canal
<i>Crataegus monogyna</i>	Hawthorn	Common
<i>Cydonia oblonga</i>	-	Hor Valley
<i>Fragaria vesca</i>	Wild Strawberry	Tiszadorogma Ferry
<i>Geum urbanum</i>	Wood Avens	Tiszadorogma Ferry
<i>Malus pumila</i>	Apple	Ohat
<i>Potentilla argentea</i>	Hoary Cinquefoil	Near Kunsagi Major
<i>Potentilla supina</i>	-	Hor Reservoir
<i>Prunus domestica</i> subsp. <i>syrriaca</i>	Wild Plum	Hor Valley
<i>Prunus spinosus</i>	Blackthorn	Roadsides
<i>Pyrus pyrasta</i>	Wild Pear	Tiszadorogma Ferry
<i>Rubus caesius</i>	Dewberry	Keleti focsatorna Canal
Rubiaceae	Bedstraw Family	
<i>Galium rotundifolium</i>	Round-leaved Bedstraw	Tiszadorogma Ferry
<i>Galium rubioides</i>	-	
<i>Galium verum</i>	Lady's Bedstraw	S of Bugyi
Salicaceae	Willow Family	
<i>Populus alba</i>	White Poplar	Kigyosi Csarda Panzio
<i>Populus tremula</i>	Aspen	Kigyosi Csarda Panzio
<i>Salix caprea</i>	Goat Willow	Hor Valley
Sapindaceae	Maple Family	
<i>Acer campestre</i>	Field Maple	Keleti focsatorna Canal
<i>Acer pseudoplatanus</i>	Sycamore	Common
<i>Acer tartaricum</i>	Tartarian Maple	N of Cserepfalu
Scrophulariaceae	Figwort Family	
<i>Verbascum phlomoides</i>	Orange Mullein	Road verges

Scientific name	Common name	Location
Simaroubaceae <i>Ailanthus altissima</i>	Tree-of-Heaven Family Tree-of Heaven	Roadsides
Solanaceae <i>Datura stramonium</i> <i>Lyceum barbarum</i> <i>Solanum alatum</i> <i>Solanum dulcamara</i>	Nightshade Family Thorn-apple Duke of Argyll's Tea Plant - Woody Nightshade	Arable margins Hor Valley Hor Valley Arable margins
Ulmaceae <i>Ulmus glabra</i>	Elm Family Wych Elm	Kigyosi Csarda Panzio
Verbenaceae <i>Verbena officinalis</i>	Vervain Family Vervain	Kis-ret Salt Lake
Violaceae <i>Viola suavis</i>	Violet Family -	Cserepvaralja
Vitaceae <i>Vitis vulpina</i>	Grape-vine Family a Grape-vine	Hor Valley
Monocots	Monocotyledons	
Alismataceae <i>Sagittaria sagittifolia</i>	Water-plantain Family Arrowhead	Cserepes
Amaryllidaceae <i>Allium flavum</i>	Daffodil Family Yellow Onion	Hor Valley
Asparagaceae <i>Anthericum ramosum</i> <i>Asparagus officinalis</i>	Asparagus Family Branched St. Bernard's Lily Garden Asparagus	Hor Valley Tiszacsega
Cyperaceae <i>Bolboschoenus maritimus</i> <i>Carex melanostachya</i>	Sedge Family Sea Clubrush -	Kis-ret Salt Lake Bogacs
Hydrocharitaceae <i>Hydrocharis morsus-ranae</i>	Frogbit Family Frogbit	Kigyosi Csarda Panzio
Juncaceae <i>Juncus inflexus</i>	Rush Family Hard Rush	Hor Reservoir
Poaceae <i>Bothriochloa ischaemum</i> <i>Cynodon dactylon</i> <i>Digitaria sanguinalis</i> <i>Echinochloa crus-galli</i> <i>Melica ciliata</i> <i>Setaria pumila</i> <i>Setaria viridis</i> <i>Taeniatherum caput-medusa</i>	Grass Family - Bermuda Grass Hairy Finger-grass Cockspur Yellow Bristle-grass Green Bristle-grass Medusahead	Kis-ret Salt Lake Common Hortobagy Village Hor Reservoir Hor Valley Kigyosi Csarda Panzio Hor Valley Bodi-szek Salt Lake

Scientific name	Common name	Location
Potamogetaceae	Pondweed Family	
<i>Potamogeton natans</i>	Broad-leaved Pondweed	Nyugati focsatoma Canal
Typhaceae	Bulrush Family	
<i>Typha angustifolia</i>	Lesser Bulrush	Ditches - Common
<i>Typha latifolia</i>	Bulrush	Ponds & Ditches - Common

Birds (✓=recorded but not counted; H = heard only)

	Common name	Scientific name	August							
			4	5	6	7	8	9	10	11
1	Common Quail	<i>Coturnix coturnix</i>				✓				
2	Common Pheasant	<i>Phasianus colchicus</i>	✓	✓	✓	✓	H	✓	✓	
3	Greylag Goose	<i>Anser anser</i>				✓	✓			
4	Mute Swan	<i>Cygnus olor</i>	✓	✓						
5	Mallard	<i>Anas platyrhynchos</i>		✓	✓	✓	✓	✓	✓	
6	Little Grebe	<i>Tachybaptus ruficollis</i>					✓			
7	Great Crested Grebe	<i>Podiceps cristatus</i>			✓					
8	Black Stork	<i>Ciconia nigra</i>		✓	✓	✓				
9	White Stork	<i>Ciconia ciconia</i>	✓	✓	✓	✓	✓	✓	✓	
10	Little Bittern	<i>Ixobrychus minutus</i>		✓			✓			
11	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>					✓			
12	Squacco Heron	<i>Ardeola ralloides</i>			✓					
13	Grey Heron	<i>Ardea cinerea</i>	✓	✓	✓	✓	✓	✓	✓	
14	Purple Heron	<i>Ardea purpurea</i>				✓	✓			
15	Great Egret	<i>Ardea alba</i>		✓	✓	✓	✓	✓		
16	Little Egret	<i>Egretta garzetta</i>		✓						
17	Pygmy Cormorant	<i>Microcarbo pygmeus</i>			✓	✓	✓			
18	Great Cormorant	<i>Phalacrocorax carbo</i>			✓	✓	✓			
19	European Honey Buzzard	<i>Pernis apivorus</i>					✓	✓		
20	White-tailed Eagle	<i>Haliaeetus albicilla</i>		✓				✓		
21	Short-toed Snake Eagle	<i>Circaetus gallicus</i>				✓				
22	Western Marsh Harrier	<i>Circus aeruginosus</i>	✓	✓	✓	✓	✓	✓	✓	
23	Montagu's Harrier	<i>Circus pygargus</i>			✓	✓		✓		
24	Eurasian Sparrowhawk	<i>Accipiter nisus</i>		✓	✓	✓		✓		
25	Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓	✓	✓	✓	✓
26	Long-legged Buzzard	<i>Buteo rufinus</i>			✓			✓		
27	Lesser Spotted Eagle	<i>Aquila pomarina</i>						✓		
28	Eastern Imperial Eagle	<i>Aquila heliaca</i>			✓					
29	Common Kestrel	<i>Falco tinnunculus</i>	✓	✓	✓	✓	✓	✓		
30	Red-footed Falcon	<i>Falco vespertinus</i>		✓		✓				
31	Eurasian Hobby	<i>Falco subbuteo</i>			✓					
32	Saker Falcon	<i>Falco cherrug</i>				✓				
33	Great Bustard	<i>Otis tarda</i>				✓				
34	Water Rail	<i>Rallus aquaticus</i>					✓			
35	Little Crake	<i>Porzana parva</i>				H				
36	Common Moorhen	<i>Gallinula chloropus</i>				✓	✓			
37	Eurasian Coot	<i>Fulica atra</i>		✓				✓		
38	Common Crane	<i>Grus grus</i>		✓						
39	Eurasian Stone-curlew	<i>Burhinus oedicnemus</i>		✓						
40	Black-winged Stilt	<i>Himantopus himantopus</i>						✓		
41	Pied Avocet	<i>Recurvirostra avosetta</i>		✓						

	Common name	Scientific name	August								
			4	5	6	7	8	9	10	11	
42	Northern Lapwing	<i>Vanellus vanellus</i>		✓	✓	✓			✓		
43	Common Snipe	<i>Gallinago gallinago</i>		✓					✓		
44	Eurasian Curlew	<i>Numenius arquata</i>		✓		✓					
45	Spotted Redshank	<i>Tringa erythropus</i>		✓					✓		
46	Common Redshank	<i>Tringa totanus</i>		✓							
47	Marsh Sandpiper	<i>Tringa stagnatilis</i>		✓							
48	Common Greenshank	<i>Tringa nebularia</i>	✓						✓		
49	Green Sandpiper	<i>Tringa ochropus</i>							✓		
50	Wood Sandpiper	<i>Tringa glareola</i>	✓	✓	✓				✓		
51	Common Sandpiper	<i>Actitis hypoleucos</i>				✓			✓		
52	Ruff	<i>Philomachus pugnax</i>	✓	✓					✓		
53	Black-headed Gull	<i>Chroicocephalus ridibundus</i>		✓	✓	✓					
54	Little Gull	<i>Hydrocoloeus minutus</i>							✓		
55	Yellow-legged Gull	<i>Larus michahellis</i>		✓	✓	✓	✓	✓	✓		
56	Whiskered Tern	<i>Chlidonias hybrida</i>		✓	✓	✓	✓	✓			
57	White-winged Tern	<i>Chlidonias leucopterus</i>		✓							
58	Black Tern	<i>Chlidonias niger</i>		✓							
59	Common Pigeon	<i>Columba livia 'feral'</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
60	Common Wood Pigeon	<i>Columba palumbus</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
61	European Turtle Dove	<i>Streptopelia turtur</i>	✓	✓	✓	✓	H	H			
62	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓	✓	✓	✓	✓	✓			
63	Common Cuckoo	<i>Cuculus canorus</i>			✓	✓					
64	Tawny Owl	<i>Strix aluco</i>				✓					
65	Little Owl	<i>Athene noctua</i>	✓	H							
66	Long-eared Owl	<i>Asio otus</i>				✓					
67	European Roller	<i>Coracias garrulus</i>	✓	✓	✓	✓	✓				
68	Common Kingfisher	<i>Alcedo atthis</i>				✓	✓	✓			
69	European Bee-Eater	<i>Merops apiaster</i>	✓	✓	✓		✓	H	H		
70	Eurasian Hoopoe	<i>Upupa epops</i>		✓		✓	✓				
71	Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>			✓	✓				✓	
72	Middle Spotted Woodpecker	<i>Dendrocopos medius</i>					✓	✓	✓		
73	White-backed Woodpecker	<i>Dendrocopos leucotos</i>								✓	
74	Syrian Woodpecker	<i>Dendrocopos syriacus</i>					✓	✓			
75	Great Spotted Woodpecker	<i>Dendrocopos major</i>		✓	✓	✓	✓	✓	✓		
76	Black Woodpecker	<i>Dryocopus martius</i>						✓	✓		
77	European Green Woodpecker	<i>Picus viridis</i>				✓		✓	✓		
78	Grey-headed Woodpecker	<i>Picus canus</i>					✓	✓			
79	Red-backed Shrike	<i>Lanius collurio</i>	✓	✓	✓	✓	✓	✓	✓		
80	Lesser Grey Shrike	<i>Lanius minor</i>	✓	✓	✓	✓	✓				
81	Eurasian Golden Oriole	<i>Oriolus oriolus</i>	✓	✓	✓	H	H				
82	Eurasian Jay	<i>Garrulus glandarius</i>	✓	✓		✓	✓	✓	✓		
83	Eurasian Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓		
84	Western Jackdaw	<i>Coloeus monedula</i>				✓					
85	Rook	<i>Corvus frugilegus</i>			✓	✓					
86	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓	✓	✓		
87	Northern Raven	<i>Corvus corax</i>					✓	✓	✓		
88	Marsh Tit	<i>Poecile palustris</i>			✓			✓	✓		
89	Great Tit	<i>Parus major</i>			✓			✓	✓		
90	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>			✓		✓	✓	✓		
91	Eurasian Penduline Tit	<i>Remiz pendulinus</i>					✓				
92	Bearded Reedling	<i>Panurus biarmicus</i>					✓				

	Common name	Scientific name	August							
			4	5	6	7	8	9	10	11
93	Crested Lark	<i>Galerida cristata</i>		✓	✓					✓
94	Eurasian Skylark	<i>Alauda arvensis</i>	✓	✓	✓	✓				
95	Sand Martin	<i>Riparia riparia</i>				✓				
96	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓
97	Common House Martin	<i>Delichon urbicum</i>	✓	✓	✓	✓	✓	✓	✓	✓
98	Willow Warbler	<i>Phylloscopus trochilus</i>								✓
99	Common Chiffchaff	<i>Phylloscopus collybita</i>						✓	✓	
100	Wood Warbler	<i>Phylloscopus sibilatrix</i>					✓	✓		
101	Eurasian Reed Warbler	<i>Acrocephalus scirpaceus</i>		✓		H	✓	✓		
102	Icterine Warbler	<i>Hippolais icterina</i>						✓		
103	Garden Warbler	<i>Sylvia borin</i>								✓
104	Eurasian Wren	<i>Troglodytes troglodytes</i>								✓
105	Eurasian Nuthatch	<i>Sitta europaea</i>				✓	✓	✓	✓	
106	Eurasian Treecreeper	<i>Certhia familiaris</i>						H	H	
107	Common Starling	<i>Sturnus vulgaris</i>	✓	✓	✓	✓	✓	✓		
108	Common Blackbird	<i>Turdus merula</i>	✓		✓			✓	✓	
109	Song Thrush	<i>Turdus philomelos</i>						✓	✓	
110	European Robin	<i>Erithacus rubecula</i>						H	✓	
111	Common Nightingale	<i>Luscinia megarhynchos</i>				H	H			
112	Black Redstart	<i>Phoenicurus ochruros</i>	✓	✓	✓	✓	✓	✓	✓	
113	Whinchat	<i>Saxicola rubetra</i>			✓					
114	European Stonechat	<i>Saxicola rubicola</i>		✓		✓	✓			
115	Northern Wheatear	<i>Oenanthe oenanthe</i>		✓	✓	✓				
116	Spotted Flycatcher	<i>Muscicapa striata</i>				✓	✓	✓		
117	House Sparrow	<i>Passer domesticus</i>		✓	✓	✓	✓	✓	✓	✓
118	Eurasian Tree Sparrow	<i>Passer montanus</i>	✓	✓	✓	✓	✓	✓	✓	
119	Blue-headed Yellow Wagtail	<i>Motacilla flava flava</i>		✓	✓	✓		✓		
120	White Wagtail	<i>Motacilla alba</i>	✓	✓	✓	✓		✓	✓	✓
121	Common Chaffinch	<i>Fringilla coelebs</i>			✓	✓	✓	✓	✓	
122	European Serin	<i>Serinus serinus</i>		✓			✓		✓	
123	European Greenfinch	<i>Chloris chloris</i>		✓	✓	✓	✓	✓	✓	
124	European Goldfinch	<i>Carduelis carduelis</i>		✓	✓	✓	✓	✓	✓	
125	Common Linnet	<i>Linaria cannabina</i>						✓	✓	
126	Hawfinch	<i>Coccothraustes coccothraustes</i>					✓	✓	✓	
127	Corn Bunting	<i>Emberiza calandra</i>	✓	✓	✓	✓				
128	Yellowhammer	<i>Emberiza citrinella</i>					✓			

Mammals

1	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>		✓						
2	Noctule Bat	<i>Nyctalus noctula</i>		✓						
3	Leisler's Bat	<i>Nyctalus leisleri</i>		✓			✓			
4	Serotine Bat	<i>Eptesicus serotinus</i>		✓						
5	Natterer's Bat	<i>Myotis nattereri</i>				✓				
6	Daubenton's Bat	<i>Myotis daubentonii</i>						✓		
7	European Roe Deer	<i>Capreolus capreolus</i>		✓	✓	✓	✓		✓	
8	European Hare	<i>Lepus europaeus</i>		✓	✓					
9	European Sousek	<i>Spermophilus citellus</i>		✓	✓					

Amphibians & Reptiles

1	Common Toad	<i>Bufo bufo</i>					✓			
2	Edible Frog	<i>Rana kl. esculenta</i>		✓		✓	✓			

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			4	5	6	7	8	9	10	11
3	Marsh Frog	<i>Rana ridibundus</i>				✓				
4	Sand Lizard	<i>Lacerta agilis</i>		✓		✓		✓	✓	

Butterflies

1	Swallowtail	<i>Papilio machaon</i>		✓		✓	✓	✓	✓	
2	Scarce Swallowtail	<i>Iphiclides podalirius</i>								✓
3	Large White	<i>Pieris brassicae</i>					✓	✓	✓	
4	Small White	<i>Artogeia rapae</i>	✓	✓	✓	✓	✓	✓	✓	
5	Green-veined White	<i>Artogeia napi</i>						✓		
6	Eastern Bath White	<i>Pontia edusa</i>	✓	✓	✓	✓	✓	✓	✓	
7	Pale Clouded Yellow	<i>Colias hyale</i>			✓	✓	✓	✓	✓	
8	Clouded Yellow	<i>Colias crocea</i>		✓	✓	✓	✓	✓	✓	
9	Eastern Pale Clouded Yellow	<i>Colias erate</i>		✓	✓	✓	✓	✓	✓	
10	Brimstone	<i>Gonepteryx rhamni</i>			✓					✓
11	Wood White	<i>Leptidea sinapis</i>				✓	✓	✓	✓	
12	Sloe Hairstreak	<i>Satyrium acaciae</i>				✓	✓	✓		
13	Brown Hairstreak	<i>Thecla betulae</i>					✓			
14	Small Copper	<i>Lycaena phlaeas</i>		✓	✓	✓	✓	✓	✓	
15	Sooty Copper	<i>Lycaena tityrus</i>					✓	✓		
16	Lesser Fiery Copper	<i>Lycaena thersamon</i>			✓	✓	✓			
17	Purple-edged Copper	<i>Lycaena hippothoe</i>					✓	✓	✓	
18	Short-tailed Blue	<i>Everes argiades</i>		✓				✓	✓	
19	Eastern Short-tailed Blue	<i>Everes decoloratus</i>						✓	✓	
20	Holly Blue	<i>Celastrina argiolus</i>					✓	✓	✓	
21	Chequered Blue	<i>Scolitantides orion</i>								✓
22	Silver-studded Blue	<i>Plebejus argus</i>	✓	✓	✓	✓	✓	✓	✓	
23	Idas Blue	<i>Plebejus idas</i>	✓	✓	✓	✓		✓		
24	Brown Argus	<i>Aricia agestis</i>						✓	✓	
25	Chapman's Blue	<i>Agrodiaetus thersites</i>	✓			✓				
26	Chalk-hill Blue	<i>Lysandra coridon</i>	✓	✓	✓	✓				✓
27	Adonis Blue	<i>Lysandra bellargus</i>						✓		
28	Common Blue	<i>Polyommatus icarus</i>		✓	✓	✓	✓	✓	✓	
29	Duke of Burgundy Fritillary	<i>Hamearis lucin</i>					✓	✓	✓	
30	Lesser Purple Emperor	<i>Apatura ilia</i>			✓	✓	✓	✓		
31	Lesser Purple Emperor	<i>Apatura ilia f. clytie</i>					✓			
32	Purple Emperor	<i>Apatura iris</i>					✓			✓
33	Common Glider	<i>Neptis sappho</i>					✓	✓	✓	
34	Peacock	<i>Inachis io</i>				✓	✓			✓
35	Red Admiral	<i>Vanessa atalanta</i>				✓	✓	✓	✓	
36	Painted Lady	<i>Vanessa cardui</i>			✓	✓				✓
37	Small Tortoiseshell	<i>Aglais urticae</i>				✓	✓	✓	✓	
38	Comma Butterfly	<i>Polygonum c-album</i>		✓			✓	✓	✓	
39	Map Butterfly	<i>Araschnia levana</i>					✓	✓	✓	
40	Silver-washed Fritillary	<i>Argynnis paphia</i>					✓	✓	✓	
41	Silver-washed Fritillary	<i>Argynnis paphia forma valesina</i>								✓
42	Dark Green Fritillary	<i>Argynnis aglaja</i>					✓			✓
43	High Brown Fritillary	<i>Argynnis adippe</i>					✓			✓
44	Niobe Fritillary	<i>Argynnis niobe</i>								✓
45	Queen of Spain Fritillary	<i>Issoria lathonia</i>		✓			✓	✓	✓	
46	Weaver's Fritillary	<i>Clossiana dia</i>						✓	✓	
47	Glanville Fritillary	<i>Melitaea cinxia</i>	✓							✓

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			4	5	6	7	8	9	10	11
48	False Heath Fritillary	<i>Melitaea diamina</i>						✓		
49	Heath Fritillary	<i>Mellicta athalia</i>							✓	
50	Woodland Grayling	<i>Hipparchia fagi</i>							✓	
51	Dryad	<i>Minois dryas</i>					✓	✓	✓	
52	Great Banded Grayling	<i>Kanetisa circe</i>					✓	✓	✓	
53	Meadow Brown	<i>Maniola jurtina</i>	✓	✓	✓	✓	✓	✓	✓	
54	Small Heath	<i>Coenonympha pamphilus</i>	✓	✓	✓	✓	✓	✓	✓	
55	Chestnut Heath	<i>Coenonympha glycerion</i>	✓	✓	✓	✓	✓	✓	✓	
56	Speckled Wood	<i>Pararge aegeria tircis</i>							✓	
57	Wall Brown	<i>Lasiommata megera</i>							✓	
58	Large Wall Brown	<i>Lasiommata maera</i>							✓	
59	Grizzled Skipper	<i>Pyrgus malvae</i>	✓	✓				✓	✓	
60	Oberthur's Grizzled Skipper	<i>Pyrgus armoricanus</i>			✓					
61	Mallow Skipper	<i>Carcharodus alceae</i>					✓	✓		
62	Dingy Skipper	<i>Erynnis tages</i>						✓	✓	
63	Essex Skipper	<i>Thymelicus lineola</i>		✓		✓				
64	Silver-spotted Skipper	<i>Hesperia comma</i>							✓	
65	Large Skipper	<i>Ochlodes venatus</i>	✓	✓		✓	✓	✓	✓	

Micro Moths (T = trap; F = field record)

1	Oecophorid	<i>Epicallima bruandella</i>		T	T					
2	Elachistid	<i>Elachista maculicerusella</i>					T			
3	Elachistid	<i>Ethmia bipunctata</i>		T	T					
4	a Tortrix	<i>Agapeta hamana</i>			T					
5	a Tortrix	<i>Agapeta zoegana</i>		T	T					
6	Large Fruit Tree Tortrix	<i>Archips podana</i>							T	
7	a Tortrix	<i>Argyrotaenia ljunghiana</i>			T					
8	Barred Fruit-tree Tortrix	<i>Pandemis cerasana</i>					T			
9	Codling Moth	<i>Cydia pomonella</i>						T		
10	Gold Triangle	<i>Hypsopygia costalis</i>		T	T			T		
11	a Pyralid	<i>Hypsopygia glaucinalis</i>							T	
12	a Pyralid	<i>Oncocera semirubella</i>					T			
13	a Pyralid	<i>Endotricha flammealis</i>						T	T	
14	a Pyralid	<i>Sciota hostilis</i>		T			T			
15	Thistle Ermine	<i>Myelois circumvoluta</i>		T						
16	a Pyralid	<i>Nyctegretis lineana</i>		T	T					
17	a Crambid	<i>Eudonia mercurella</i>						T	T	
18	a Crambid	<i>Diasemia reticularis</i>				T				
19	a Crambid	<i>Catoptria falsella</i>						T	T	
20	a Crambid	<i>Catoptria pinella</i>						T		
21	a Crambid	<i>Metasia ophialis</i>						T		
22	a Crambid	<i>Calamotropha paludella</i>				T				
23	a Crambid	<i>Pyrausta purpuralis</i>						T	T	
24	a Crambid	<i>Pyrausta ostrinalis</i>	F							
25	a Crambid	<i>Pyrausta despicata</i>			T					
26	a Crambid	<i>Sitochroa palealis</i>				F				
27	Small Magpie	<i>Anania hortulata</i>							T	
28	a Crambid	<i>Anania perlucidalis</i>					T			
29	European Corn-borer	<i>Ostrinia nubilalis</i>		F		T	T		T	
30	Garden Pebble	<i>Evergestis forficalis</i>							F	
31	Mother of Pearl	<i>Pleuroptya ruralis</i>					T			

	Common name	Scientific name	August						
			4	5	6	7	8	9	10

Macro Moths

1	Drinker	<i>Euthrix potatoria</i>		T		T				
2	Lackey	<i>Malacosoma neustria</i>								T
3	Oak Hook-tip	<i>Watsonalla binaria</i>			T	T	T	T	T	
4	Chinese Character	<i>Cilix glaucata</i>		T	T					
5	Buff Arches	<i>Habrosyne pyritoides</i>								T
6	Poplar Lutestring	<i>Tethea or</i>		T						
7	Yellow Horned	<i>Achlya flavicornis</i>			T	T				
8	Mocha	<i>Cyclophora annularia</i>								T
9	Blood-vein	<i>Timandra comae</i>		T						
10	Lewes Wave	<i>Scopula immorata</i>			T					
11	Rose-banded Wave	<i>Rhodostrophia vibicaria</i>		T						
12	European Geometrid	<i>Lythria purpuraria</i>	F				F			
13	Purple-bordered Gold	<i>Idaea muricata f. auroraria</i>					T			
14	Least Carpet	<i>Idaea rusticata atosignaria</i>		T						
15	Riband Wave	<i>Idaea aversata</i>					T			
16	Royal Mantle	<i>Catarhoe cuculata</i>					T			
17	Common Carpet	<i>Epirrhoe alternata</i>				T				
18	Wood Carpet	<i>Epirrhoe rivata</i>			T					
19	Beautiful Carpet	<i>Mesoleuca albicillata</i>				T				
20	Lime-speck Pug	<i>Eupithwcia centaureata</i>				T	T			
21	Drab Looper	<i>Minoa murinata</i>							T	
22	Clouded Border	<i>Lomaspilis marginata</i>		T		T	T			
23	Peacock	<i>Macaria notata</i>		T	T					
24	Latticed Heath	<i>Chiasmia clathrata</i>			T	F	T			F/T
25	European Geometrid	<i>Heliomata glarearia</i>			T					T
26	European Geometrid	<i>Isturgia arenacearia</i>		T	T	T	T			
27	Large Thorn	<i>Ennomos autumnaria</i>					T			
28	Peppered Moth	<i>Biston betularia f. insularia</i>		T						
29	Willow Beauty	<i>Peribatodes rhomboidana</i>		T						
30	European Geometrid	<i>Synopsea sociaria</i>			T					
31	Square-spot	<i>Paradarisa consonaria</i>		T						
32	Common Heath	<i>Ematurga atomaria</i>		T				F	T	
33	Common Wave	<i>Cabera exanthemata</i>					T			
34	Eyed Hawk-moth	<i>Smerinthus ocellata</i>				T				
35	Humming-bird Hawk-moth	<i>Macroglossum stellatarum</i>		F		F	F	F	F	
36	Elephant Hawk-moth	<i>Deilephila elpenor</i>				T				
37	Small Elephant Hawk-moth	<i>Deilephila porcellus</i>		T	T					
38	Puss Moth	<i>Cerura vinula</i>				T				
39	Three-humped Prominent	<i>Notodonta tritophus</i>					T			
40	Pebble Prominent	<i>Notodonta ziczac</i>					T			
41	Swallow Prominent	<i>Pheosia tremula</i>				T	T			
42	Small Chocolate Tip	<i>Clostera pigra</i>					T			
43	Chocolate Tip	<i>Clostera curtula</i>			T		T			
44	Silver Barred	<i>Deltote bankiana</i>		T						
45	Buff-tip	<i>Phalera bucephala</i>		T		T				
46	Black V Moth	<i>Arctornis l-nigrum</i>				T	T			
47	Gypsy Moth	<i>Lymantria dispar</i>		T		F	T			
48	Dingy Footman	<i>Eilema griseola</i>		T			T			T
49	Hoary Footman	<i>Eilema caniola</i>					T	T		

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			4	5	6	7	8	9	10	11
50	Scarce Footman	<i>Eilema complana</i>				T	T		T	
51	Buff Footman	<i>Eilema depressa</i>						T	T	
52	Common Footman	<i>Eilema lurideola</i>		T		T				
53	Four-spotted Footman	<i>Lithosia quadra</i>				T				
54	Clouded Buff	<i>Diacrisia sannio</i>					F			
55	White Ermine	<i>Spilosoma ulbricipeda</i>					F			
56	Buff Ermine	<i>Spilosoma luteum</i>					T			
57	Ruby Tiger	<i>Phragmatobia fuliginosa</i>		T						
58	Jersey Tiger	<i>Euplagia quadripunctata</i>						F	F	
59	Kent Black Arches	<i>Meganola albula</i>		F						
60	Heart and Dart	<i>Agrotis exclamationis</i>		T			T	T	T	
61	Dark Swordgrass	<i>Agrotis ipsilon</i>					T			
62	The Flame	<i>Axylia putris</i>						T	T	
63	Large Yellow Underwing	<i>Noctua pronuba</i>						T	T	
64	Lesser B-bordered Yellow Underwing	<i>Noctua janthe</i>				T				
65	Setaceous Hebrew Character	<i>Xestia c-nigrum</i>					T		T	
66	Bright-line Brown-eye	<i>Lacanobia oleracea</i>						T		
67	Lychnis	<i>Hadena bicruris</i>						T		
68	Double Line	<i>Mythimna turca</i>			T					
69	Clay	<i>Mythimna ferrago</i>					T			
70	White Point	<i>Mythimna albipunctata</i>						T		
71	Dark Brocade	<i>Blepharita satura</i>						T		
72	Barred Sallow	<i>Xanthia aurago</i>		T						
73	Scarce Merveille du Jour	<i>Moma alpium</i>			T		T			
74	Poplar Grey	<i>Acronicta megacephala</i>		T	T	T	T			
75	Alder Moth	<i>Acronicta alni</i>		T	T					
76	Light Knot Grass	<i>Acronicta menyanthidis</i>					T			
77	Knot Grass	<i>Acronicta rumicis</i>				T				
78	Coronet	<i>Craniophora ligustri</i>				T	T			
79	Tree-lichen Beauty	<i>Cryphia algae</i>			T			T		
80	Brown Rustic	<i>Rusina ferruginea</i>		T						
81	Dusky Brocade	<i>Apamea remissa</i>		T						
82	Uncertain	<i>Hoplodrina alsines</i>		T						
83	Dark Mottled Willow	<i>Spodoptera ciliium</i>			T					
84	Rustic	<i>Hoplodrina blanda</i>		T						
85	Rosy Marbled	<i>Elaphria venustula</i>			T		T			
86	Scarce Bordered Straw	<i>Helicoverpa armigera</i>						T		
87	Marbled Clover	<i>Heliothis viriplaca</i>					T			
88	Beautiful Marbled	<i>Eublemma purpurina</i>		T						
89	Spotted Sulphur	<i>Emmelia trabealis</i>	F	T				F		
90	Pale Shouldered	<i>Acontia lucida</i>		T						
91	Cream-bordered Green Pea	<i>Earias clorana</i>		T		T	T			
92	Scarce Silver-lines	<i>Bena bicolorana</i>							T	
93	Nut-tree Tussock	<i>Colocasia coryli</i>							T	
94	Silver-Y	<i>Autographa gamma</i>		F/T				F/T		
95	Red Underwing	<i>Catocala nupta</i>		T		T				
96	Burnet Companion	<i>Euclida glyphica</i>						F		
97	Four-spotted	<i>Tyta luctuosa</i>			F					

	Common name	Scientific name	August						
			4	5	6	7	8	9	10

Other Invertebrates

1	Banded Demoiselle	<i>Calopteryx splendens</i>					✓	✓		
2	Migrant Spreadwing	<i>Lestes barbarus</i>		✓						
3	Small Bluetail	<i>Ischnura pumilio</i>		✓						
4	Blue Hawker	<i>Aeshna cyanea</i>						✓		
5	Migrant Hawker	<i>Aeshna mixta</i>						✓	✓	
6	Lesser Emperor	<i>Anax parthenope</i>						✓		
7	Broad Scarlet	<i>Crocothemis erythraea</i>		✓			✓		✓	
8	Ruddy Darter	<i>Sympetrum sanguineum</i>		✓						
9	Common Darter	<i>Sympetrum striolatum</i>				✓				
10	Nose Grasshopper	<i>Acrida ungarica</i>			✓					
11	Red-winged Grasshopper	<i>Oedipoda germanica</i>					✓		✓	
12	Blue-winged Grasshopper	<i>Oedipoda caeruleascens</i>							✓	
13	Praying Mantis	<i>Mantis religiosa</i>		✓					✓	
14	Hawthorn Shield Bug	<i>Acanthosoma haemorrhoidale</i>						T	F	
15	Gendarme Bug	<i>Lygaeus equestris</i>							✓	
16	Shield Bug	<i>Graphosoma lineatum (italicum)</i>		✓				✓		
17	Forest Bug	<i>Pentatoma rufipes</i>		✓				T	F	
18	Leather Bug or Squash Bug	<i>Syromastes rhombeus</i>						✓		
19	Fire Bug	<i>Pyrrhocoris apterus</i>				✓				
20	Common Bock-swimmer	<i>Notonecta glauca</i>					✓			
21	Ant Lion	<i>Nemoptera sinuata</i>	✓							
22	Horse-fly	<i>Tabanidae sp.</i>				✓				
23	Cleg-fly	<i>Haematopota pluvialis</i>		✓	✓					
24	Bee Fly	<i>Bombylius sp.</i>		✓						
25	Hornet	<i>Vespa crabro</i>						✓	✓	
26	Carpenter Bee	<i>Xylocopa sp.</i>			✓	✓				
27	Honey Bee	<i>Apis mellifera</i>			✓	✓	✓	✓	✓	
28	Buff-tailed Bumblebee	<i>Bombus terrestris</i>		✓		✓	✓	✓	✓	
29	Violet Ground Beetle	<i>Carabus violaceus</i>				✓				
30	Common Ground Beetle	<i>Pterostichus sp.</i>			T					
31	Sexton Beetle	<i>Necrophorus vespilla</i>		T						
32	Dor Beetle	<i>Geotrupes stercorarius</i>						✓	✓	
33	Rose Chafer	<i>Cetonia aurata</i>			✓			✓		
34	Harlequin Ladybird	<i>Harmonia axyridis</i>				T	T	T	T	
35	Seven-spot Ladybird	<i>Coccinella 7-punctata</i>						✓		
36	Two-spot Ladybird	<i>Adalia bipunctata</i>	✓		✓					
37	Fourteen-spot Ladybird	<i>Propylea 14-punctata</i>					✓			
38	Whirligig Beetle	<i>Gyrinus natator</i>				T	T			
39	Wasp Spider	<i>Argiope segmentata</i>					✓			
40	Crab Spider	<i>Misumena vatia</i>						✓		

Galls

1	Robin's Pin-cushion	<i>Diplolepis rosea</i>				✓				
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Molluscs

1	Roman Snail	<i>Helix pomatia</i>		✓	✓	✓			✓	
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