

Poland in Spring

Primaeval Europe

A Greentours Trip Report

28th May to 8th June 2008

Led by Paul Cardy, with Michal, Tomek, and Lucas!

Report and systematic lists by Paul Cardy

Day 1 Wednesday 28th May

Arrival

I arrived in Warsaw at lunchtime, after a very bumpy flight over the Alps, via Munich, to meet Geoff and Mary, who had arrived even earlier, and already met up with Michal, our local guide. I collected the mini-bus, and, as we had some time to wait for the rest of the party, we enjoyed lunch and then Michal and I discussed our plans for the first few days. There was also the matter of completing the Belarus visa forms, for our possible visit across the border later in the week. I've filled in visa forms for many many countries but this was the most bureaucratic one I'd ever seen, not helped by the fact it was only in Belorussian and Polish.

Once the others had arrived we were soon on our way, negotiating the busy roads of Warsaw, but before too long we were east of the city, and as soon as we could we turned onto a minor road, much more pleasant, with almost no traffic, and faster than the heavily choked highways. We had a brief rest stop at a café en route, where there was a surprising small collection of pheasants in the garden! Birds seen along the way included nesting White Storks in most villages, Marsh Harrier, Buzzard, Fieldfare, and Serin. Fox, Hare, and Red Deer were also spotted.

We arrived at the hotel at about 8 o'clock and soon settled in and regrouped for an excellent dinner.

Day 2 Thursday 29th May

Bialowieza

The first thing to sort out today was the proposed Belarus day trip later in the week. Everyone was keen to go, and with Michal's help we'd filled in the incredibly complex visa application forms. I rushed around town gathering current information, sadly none of it encouraging. The staff at the hotel that on my last visit told me they could easily arrange visas, now made it all seem almost impossible. Staff at various agencies in Bialystok were less than helpful too. It was all too

uncertain, and regrettably the idea had to be shelved, so frustrating, as many times during the next few days we would literally be on the border itself.

Anyway, there was a wealth of things in store for us on the Polish side. The weather was fine, but a little chilly first thing under the cloudless skies. The buffet breakfast in the hotel was an excellent wide selection.

The day was spent visiting a variety of sites in the vicinity, the first only a kilometre or so from the hotel, a regular stop on our autumn tour, and the first site I visited on the recce last year. Here a track leads through meadows, alder forest, and finally to a bridge over a stream.

It was the birdlife that was most impressive, with many species singing even in the middle of the day. Great Spotted Woodpeckers were nesting, and Red-backed Shrike was here. Hawfinches were seen well, whilst Wood Warblers sang beautifully, Icterine Warblers gave their impressive and complex song and River Warblers sang from thickets, sounding like antiquated sewing machines. Marsh Warblers were recorded too and more familiar species included Blackcap and Chiffchaff. A Green Sandpiper flushed from the alder swamp was breeding here, and it landed high up in a tree. Thrush Nightingales sang continually and they would be a feature of the whole trip. A male Bluethroat was finally seen well in the forest.

There were already a few dragonflies and damselflies on the wing, namely both demoiselles, Large Red Damselfly, and Four-spotted Chaser. Butterflies were surprisingly few and far between. The commonest species today was Map Butterfly, in its distinctive, tiny fritillary-like spring brood. Commonest but still very few in number. Chequered Skipper was here, and more familiar species such as Orange-tip and Brimstone were also on the wing.

The flora was still somewhat backward and spring-like in character. Both May Lily and Lily-of-the-Valley were in good flower however. Herb Paris was a pleasing find, and the delicate *Equisetum sylvaticum* was common. The leaves of *Asarabacca* were found, and *Melampyrum nemorosum* was in flower. The meadows held many flowers and were pink with *Lychnis flos-cuculi* and yellow with *Ranunculus polyanthemos*. There were a few Common Spotted Orchids in bloom.

Having reached the bridge we saw a Kingfisher briefly. Red Squirrels cavorted in the forest, and back near the vehicles some of us saw a Water Shrew. A beautiful buprestid beetle was an interesting find. A nearby stop by a disused rail track produced few of the hoped for butterflies. Next, at a beautiful roadside spot, we saw a Lesser Spotted Eagle. Golden Orioles singing were a feature of the day.

Lunch was eaten in a forest clearing where I found *Sanicle* and *Cardamine flexuosa* under the trees, and a dead Common Shrew, as well as Black Redstart.

The next stop was a chance of a stroll through fine forest, with our target nesting Tengmalm's Owls. Plants along the way included Chickweed Wintergreen, the spindle *Euonymus verrucosus*,

the clubmoss *Lycopodium annotinum*, Baneberry and *Daphne mezereum*. Butterflies included Wood White, Small Copper, Pearl-bordered Fritillary, and Grizzled Skipper. A female Northern Chequered Skipper was a good find, and two Camberwell Beauties were a highlight. We also saw another Common Shrew, this one alive. The rarest thing seen here was a train, Michal told us that this narrow gauge line is hardly ever used.

The owl duly obliged by poking its head out of the nest hole to examine us. The view through the 'scope was superb.

Back near the village we stopped to explore some meadows where we saw Barred Warbler, Marsh Stitchwort, *Dactylorhiza incarnata*, and the leaves of Cambridge Milk-parsley. Over the road the grounds of a skansen (open air museum) had a pond with several new sedges and a few dragonflies. Down by the river we watched Reed Buntings, and Honey Buzzard and Lesser Spotted Eagle overhead. At a nearby site we saw Grey-headed Woodpecker and Scarlet Rosefinch.

After dinner we had a vigil for beavers at a bridge close to the hotel, and another in the village. Neither produced any of the hoped for animals, but we did see Woodcock, and at least two species of bat.

Day 3 Friday 30th May

Bialowieza and Siemianowka

Today we headed north, again through the forest, and by way of several small villages, to the large reservoir of Siemianovka, on the Belarus border. On the way we saw a Red Deer in the forest, and made a brief stop for a few Bird's-nest Orchids. The forest was tranquil and beautiful with very few people around. Once out in the agricultural countryside we saw a Cuckoo, and a Hoopoe.

Arriving at the reservoir, a wooden tower allowed great views over the eastern end of the lake, here coloured yellow in places by much Great Yellowcress. Striking were the large numbers of marsh terns here. White-winged and Whiskered Terns, all in breeding plumage, were abundant and hunted gracefully over the lake, whilst Black Tern was present in much smaller numbers. Waterfowl included several Mute Swans, Greylag Geese, a few Gadwall, Pochard and Tufted Duck. Marsh Harriers quartered over the reeds and in the distance were several Great Egrets. Common waterbirds included Great Crested Grebe, Cormorant, and Coot. Bittern boomed regularly but remained in cover.

One of our target birds here was Citrine Wagtail, and two males and one female were seen very closely, presumably a nesting pair along with a third bird. This is a speciality of this area. Atop the birches sang a beautiful male Common Rosefinch, and Golden Orioles called but were not seen today.

Along one of the channels were several dragonflies including Four-spotted Chaser, Blue Chaser, Broad-bodied Chasers and Large Red Damselflies. A few Yellow Flags, Marsh Bedstraw, Lathyrus

palustris and Green Figwort bloomed at the edge of the lake, and we recorded a selection of aquatic plants such as *Eleocharis palustris* and *Equisetum fluviatile*. Having entered an area of sandy forest, now very close to Belarus, Fire-bellied Toads gave their distinctive call from the small ponds, and Michal succeeded in catching one for us. The green frogs were identified as Pool Frogs, and Moor Frog was found too. Around one of the small forest pools was a beautiful male *Leucorrhinia pectoralis*. White-tailed Eagle was a highlight, soaring high over the lake, and at least three Lesser Spotted Eagles, and notably one Spotted Eagle were seen.

During lunch I found a perched mating pair of Downy Emeralds, and Wryneck in the trees near the picnic table was seen very well. The forest near here, with an understory of juniper, had an interesting ground flora including Stagshorn Clubmoss, and Lesser and Nodding Wintergreens in bud.

A long drive was necessary to access the northern part of the lake, which in September is the most productive part. Bird wise this was not the case today however, with only marsh terns being numerous, with a few Common Terns too. It was pleasing to find the purple flowered *Verbascum phoeniceum* here, and the beautiful blue *Anchusa officinalis* as well as Hungarian Spurge and the cream flowered *Scabiosa ochroleuca*.

Our presence here attracted the attention of the border patrol guards, three of whom turned up on motorbikes and spent some time examining our passports, my driving licence etc. They were friendly enough however, and surely we made a change from their usual suspects. After a little searching I was very pleased to relocate several flowering cushions of *Dianthus arenarius*, with deeply fringed white flowers, a local species that I had found here the previous year. At the same site was *Chamaecytisus ratisbonensis*. Butterflies recorded during the day included Orange-tip, Green Hairstreak, Sooty Copper, Comma, and Speckled Wood.

Back at Bialowieza a stop at the 'woodpecker' site produced White-backed Woodpecker which was seen well, and a male Collared Flycatcher.

Day 4 Saturday 31st May

Bialowieza – Strict Reserve and Kosy Most

A very early start saw us setting off at 5.10 a.m. for the short drive towards the strict reserve, the heart of Bialowieza. The morning was fine, with an atmospheric chill in the air. Corncrakes called in the meadows on the approach to the gates, and there were several *Dactylorhiza majalis* blooming. We met Arek, our guide for the morning, and he told us much about the forest here.

It's always a thrill to pass through the imposing wooden gates of the strict reserve into the ancient forest inside, a world heritage site. Immediately the height of many of the trees is impressive. This is basically oak hornbeam forest, with many other species such as small-leaved lime, norway spruce and scots pines. Even normally rather small tree species such as *Salix caprea* grow to an

impressive size here. The forest floor flora was rather green at this season, most species having flowered before the trees came into leaf. The leaves of *Anemone nemorosa* were everywhere and there were large patches of Ramsons, a few still in bloom. *Cardamine bulbifera* was apparent by the bulbils.

The lichens and mosses are many and beautiful and there were even a few fungi, mostly brackets, including *Fomes fomentarius* and *Laetiporus sulphureus*. The woods were full of the song of typical woodland species such as Robin, Wren, Wood Warbler and Chiffchaff. We came upon several nests of Great Spotted Woodpecker, hearing the young calling to the parents, and were fortunate to have fine views of a pair of nesting Three-toed Woodpeckers. Middle Spotted Woodpecker was also seen well. The large numbers of decaying fallen trees and other dead wood are all important as a source of insects for the woodpeckers as well as flycatchers.

The only mammals seen were a few Red Squirrels, and three Bank Voles. Among the plants were a few Bird's-nest Orchids, Alternate-leaved Golden Saxifrage, *Carex sylvatica* and *Carex remota*.

Back outside the reserve we saw Swallowtail, Long-tailed Tits, and Common Cranes overhead.

Returning to the hotel we enjoyed a well earned breakfast and had a rest break until 11.30, unfortunately disturbed by some workmen drilling in the hotel!

After the break we made a brief stop at the Palace Park to visit the small bookshop there, and then headed through the forest to Kosy Most. At the clearing of Kosy Most we ate our lunch, and I explored, finding *Astragalus danicus*, *Vicia sylvatica* and *Arabis glabra*. Geoff encountered a mouse when he opened the bin, species unknown! A Black Stork overhead was a highlight.

It was time for another walk, this time along a forest ride, following an old railway line, down to the river. Butterflies were in reasonable numbers, with Sooty Copper, Pearl-bordered Fritillary, Holly Blue, Map, Grizzled Skipper, and Chequered Skipper all seen. A Slow Worm was a great addition to the reptile list, and a dead Grass Snake was found. Down by the river Barred Warbler was calling, and both demoiselles frequented the banks. A Honey Buzzard passed overhead. We spent a while on a platform overlooking the 'bison meadow', where in winter there is some chance of seeing them! A surprise came when the two border guards who had questioned us the previous day at Siemianowka appeared again, this time on bicycles, and with no need to see our passports!

Next we visited Bialowieza 'zoo' where examples of most of the areas large mammals are kept in pleasingly large enclosures. Highlights today were the beautiful Lynx, an addition since my last visit, the stripey young of the Wild Boars, and a bison calf, just born and only two hours old!

It was time for the changing of the guides. Tomek arrived to take over from Michal as local guide, and in the evening some of us went into the forest in search of Pygmy Owl. After much patience, and much calling by Tomek we eventually had rather brief views of this diminutive owl, characteristically flying from tree top to tree top. On the drive back a Hedgehog was seen.

Everyone else had eaten before this excursion but Tomek and I enjoyed a late dinner as we discussed our plans for the next few days.

Day 5 Sunday 1st June Gornianske

Bialowieza, Topilo and

Laki

Some of us, perhaps rather crazily, were up at 4.30 a.m. for a drive into the forest in the hope of seeing Bison. Well, as it was we didn't see any, but if we hadn't tried we definitely wouldn't have seen any. The forest was beautiful at this time of day, and already fully light. We drove and walked several rides, but did not even see much sign of our quarry. We did see Black Woodpecker, and a Red-breasted Flycatcher was a good find.

Back at the hotel we had breakfast and then set out for a rather leisurely day of several stops. Near Hajnowka we stopped to admire the roadsides full of Dusky Cranesbill, strangely the only place we saw it. A drive took us through small villages to another part of the forest at Topilo, where there was a small lake, of course popular with families today. This was a very productive place for dragonflies, and among those seen were Common Blue Damselfly, Variable Damselfly, Red-eyed Damselfly, Brilliant Emerald, Four-spotted Chaser, Black-tailed Skimmer, and Dark Whiteface.

On the water were Garganey and Goldeneye and three Grass Snakes were seen.

After lunch we drove west of Hajnowka to the more or less abandoned bird reserve at Gornianskie Laki. The arable crops nearby had the first Cornflowers that we had seen close too. We were able to wander across the marshes here, being granted permission by telephone as the area is now too dry for species such as Great Snipe to nest there. We did see Common Snipe, but it was the flora that was of most interest. Among other species we saw Tufted Loosetrife, *Ranunculus flammula*, Marsh Speedwell, *Dactylorhiza maculata*, *Rhinanthus angustifolius*, and a good number of sedges. A lone *Ornithogalum umbellatum* was surely naturalised here.

Back near the hotel whilst Tomek showed some of the group a nesting pair of Lesser Spotted Woodpeckers, I spotted a stand of Jacob's Ladder and Geoff fought his way across to it for a photo.

Day 6 Monday 2nd June Fishponds

To Biebrza via Bialystok

Today we said farewell to Bialowieza, driving once more through the forest to Hajnowka, and then north towards Bialystok. The rural scenery was beautiful, as we passed through one traditional village after another, and the weather was again fine. Lesser Spotted Eagle was seen en route.

Just south of Bialystok we stopped at a series of fishponds. As the weekend was over it was reasonably quiet here today, this being a very popular bathing spot with the locals. We left Tomek guarding the vehicles whilst I led everyone on a walk around the ponds. Sedge, Marsh, Reed and Great Reed Warblers were all singing and seen well. The peace was spoilt by large numbers of raucous Black-headed Gulls that seemed very perturbed by our presence. One of our target species was soon located, Penduline Tits nesting in a large *Salix*. Only one Red-necked Grebe was here today, but was of course in breeding plumage. Tufted Duck was more prosaic, but some of the group were fortunate to see a Bittern in flight before it vanished into the reeds. They boomed regularly during our visit. Reed Buntings and Scarlet Rosefinch sang from atop the vegetation.

The hot weather meant the amphibians which we usually see several of here in the autumn were mostly in hiding, although I did find a Tree Frog, and there were several green frogs of the Pool/Edible complex.

Butterflies were few, but a male Large Copper was a highlight. Among the dragonflies were Red-eyed Damselflies, Variable and Azure Damselflies, Norfolk Hawks, Four-spotted and Broad-bodied Chasers, and Black Darters. Yellow Flag flowered in the ponds, and there was a selection of sedges and other water plants. Flixweed and *Salix purpurea* were added to the plant list.

We ate our picnic lunch back by the vehicle and then I had to negotiate the town of Bialystok. On the way to Tykocin, Tomek directed me to a small old quarry where Bee-eaters nested. These fine birds were seen well, and Swallowtail was also on the wing. Mazarine Blue and Brown Argus were here too and Quail called. *Sisymbrium orientale* was among the plants, and the Horseradish flowers were attractive.

Tykocin is a beautiful small town and we had a brief stop there. A nearby river stop produced Icterine Warbler, Savi's Warbler, and Lesser Whitethroat but not the hoped for Syrian Woodpecker. Lesser Spotted Woodpecker was however heard. Back on the road, a male Montagu's Harrier was seen from the vehicle.

Having arrived at the extensive Biebrza marshes we made a stop at another observation tower at Osowiec. Scarlet Rosefinch was here, and Bluethroat was glimpsed. A pair of Marsh Harriers quartered over the grassland. Greylag Geese, Fieldfares, Linnets and a Cuckoo were seen too. Among the plants near the car park were Thrift and *Chaenorhinum minus*.

We arrived at our beautifully situated hotel in the early evening, in fine secluded position and having fine wooden rooms. Dinner was very good, and we retired to the sound of Golden Oriole and Woodlark outside.

Day 7 Tuesday 3rd June

Biebrza

Many sites were visited today, exploring some of the many different habitats that Biebrza encompasses. Once again the weather was fine.

First stop was a superb sedge meadow near the hotel, where there were several *Iris sibirica* in fine flower. They really were stunning and the selection of sedges here kept me occupied for some time. Sedges are a real feature of Biebrza, thirty seven being recorded. A very respectable thirty three species were recorded in total on this tour. Marsh Cinquefoil, and both Marsh and Common Valerians were in flower. Swallowtail and Pearl-bordered Fritillary were on the wing, as were White-legged Damselflies and a species of forester moth.

A short forest walk produced several fine orange immature male Blue Chasers, Northern Chequered Skipper, and a dead Adder. A Sparrowhawk on the wing was being mobbed. A riverside stop had several dragonflies including Common Clubtail and Beautiful Demoiselles. A Common Lizard was mysteriously marooned on an island section of broken off boardwalk in the stream. Three Bearded Tits was a pleasing find, and Savi's Warbler was calling. There were several fish including Rudd and Roach. A Green Sandpiper with two young was seen here.

It was time to start our circuitous drive around the 'Red Marsh' part of Biebrza. Stops were prompted by a fine show of *Polemonium caeruleum* in one meadow, and then the only *Thalictrum lucidum* of the trip. Great Grey Shrikes perched on the wires, and a lone False Heath Fritillary was seen. Excitement was caused by a Mole on the road, alive and well, and we helped it to safety.

Next was an observation tower that afforded extensive views over the southern part of the Red Marsh, or Czerwone Bagno. We quickly located two Cranes, as well as Yellow Wagtails, Whitethroat, and Lapwing, but no Elk today. After lunch we made a detour to a Pallid Harrier site, where we had no luck with that species but instead saw Marsh and Montagu's Harriers. Black-tailed Godwit and Curlew were noted too. This area had much evidence of Beaver, namely knawed tree bases and a partly constructed dam.

A longer drive took us to an area of Downy Birch forest in which is hidden an extensive raised bog. The cotton-grass *Eriophorum vaginatum* gave a fine show, and Labrador Tea was common. Bog Whortleberry and Bilberry were part of the community. Two species of Rubyface dragonfly were much in evidence and Large Heath and Green Hairstreak were on the wing.

In the village of Goniadz we stood on a platform that allowed wide views over the marshes. Roe Deer was seen and two rather distant Elk, Tomek and me spotting one each. White-winged Black Terns fluttered past and a Black Stork was a good record. Nearby was a White Stork nest with young in it. Also nearby, we found a large stand of *Pedicularis palustris*. On the drive home we spotted a Hoopoe, and back at the hotel I saw a pair of Golden Orioles from my window.

**Day 8 Wednesday 4th June
circuit**

Biebrza – Southern Marshes

Today was cool and overcast, but remained dry. After a short stop in Grajewo to change money we headed towards the southern part of Biebrza to drive the long circuit around the lower basin, making many stops along the way. Passing initially through spruce forest on glacial moraine, we entered more open scenery, with scattered villages in extensive agricultural land. In one of these villages we took a dirt track that led across wide open marshland coloured yellow here and there by *Iris pseudacorus*. A short stop revealed a much scarcer yellow flower, Marsh Fleawort. White Storks were numerous in these marshes. At the end of the track was a watchtower from where we spotted first a Black Stork on the ground, and later five in the air. White-winged Terns were numerous and allowed superb close views. Yellow and White Water-lilies were in flower, as was *Ranunculus circinnatus*. On the drive out we stopped to admire ditches choked full of flowering Water Soldier. Back on the tarmac road a short stop produced some great arable weeds. Every field was tinted blue by gorgeous Cornflowers, but also here were *Buglossoides arvensis*, *Camelina microcarpa* and *Papaver dubium*. The sandy soil had *Astragalus arenarius* and *Crepis tectorum*. Common Clubtail was seen and three Cranes flew over. A couple of observation towers followed. At the first were a number of Black-tailed Godwits in breeding plumage and the meadow rue *Thalictrum flavum* was added to the plant list. The second allowed a superb vista over the marshes, and we arrived here on schedule at lunch time. In the past I have seen Elk at this site, but none today. Whilst everyone ate I scoured the crops for more arable weeds, finding Corncockle and Sun Spurge as well as those already seen. Adonis Blue was on the wing.

Strekowa Gora, a sandy hilltop with a poignant war memorial, produced a Swallowtail, and a few plants such as Carthusian Pink, *Veronica austriaca*, Swallow-wort and Thrift. Also here was an impressive colony of Sand Martins which was possible to approach very closely. Cinnabar Moth and Humming-bird Hawkmoth were noted.

Another tower produced two more cranes, and notably *Dactylorhiza ochroleuca* which Neil spotted from the tower itself. Tomek waded in with cameras to get photos for those who wanted. Marsh and Brook Thistles were in flower and there was much *Melampyrum polonicum*. A track near here produced Camberwell Beauty, Chequered Skipper, and a just emerged Heath Fritillary. Three Lesser Butterfly Orchids were found, as were *Spergula arvensis* and *Thalictrum aquilegifolium*. The red and black striped bug *Graphosoma italicum* was associated with the umbellifers. The last stop of the day was to walk a short boardwalk that allowed access to a fine bog flora including much Bogbean, although we found only one flower. Marsh Cinquefoil, very robust *Dactylorhiza incarnata*, two more yellow marsh orchids, cotton grass, Tufted Loosestrife, various willows, and a fine selection of sedges were here. The first site, for Aquatic Warbler, was a very special place. Grass Snake was seen too. Our target here however was Aquatic Warbler, and after some perseverance we had good views of this very local species. Montagu's Harrier quartered over the marshes.

Day 9 Thursday 5th June

Biebrza - Red Marsh and Zajki

All change again as we said farewell to Tomek and met Lucas. The track outside the hotel took us into the Red Marsh, a restricted area, apparently Lucas being one of the few who has permission to visit. Before reaching the reserve we stopped for Barred Warbler, and then a Red-breasted Flycatcher which was seen well in the telescope.

Having parked we set out on foot. To the south stretched the marshes, but the path we walked was sandy, with dunes alongside, and a flora comprising such species as *Astragalus arenarius*, *Helichrysum arenarium* and the attractive grass *Corynephorus canescens*. We reached a platform that afforded views over a large area of the marsh. From here we could see six Elk at a reasonable distance and we watched them for some time. A large school group arrived, and they were very polite and well behaved. *Jasione montana* was in flower, and we found *Pulsatilla patens* in seed. At the furthest point of our walk Lucas showed us the remains of a dead Elk that he had discovered back in January. This was a wolf kill, and it was fascinating to work out what had happened, and how the animal had been dragged by the wolves from where it was killed. Also here were several young spikes of Broad-leaved Helleborine. On the walk back I was very pleased to discover a small colony of Scarce Heath, always a very local insect. Back near the mini-bus we ate lunch, followed by a couple of short stops along the entrance road. At the hotel we had a break before our late afternoon/evening excursion in search of beavers.

I again drove the long circuit around the southern section of Biebrza, to our rendezvous with the beavers. En route a short stop was made for Ortolan Buntings, and a hare was seen too. Before we arrived we ate an excellent home cooked dinner in a small guesthouse. The food really was superb, the horseradish being particularly enjoyed. The only downside was I couldn't have any wine as I was driving! Replete we drove on, arriving at a small homestead, where the pools in the garden support a strong colony of beavers. We quietly installed ourselves at the observation point, carrying across chairs and stools as we expected a long vigil. This was not to be however, as within minutes we were watching the first beaver, swimming very close to us, and soon a second animal active on the far bank. Needless to say there were signs of knawed and felled trees all around us, the owners having wired off the trunks of some of the other trees to protect them. We stayed for as long as we could tolerate the mosquitoes and had several more sightings of probably the same animals. All in all a great success. I drove the group home in the dark, and we settled in after a great day, and I could finally enjoy a glass of wine!

Day 10 Friday 6th June

To Wigry National Park via Rospuda Valley

In the extreme north-east of Poland, close to the Lithuanian border, lies the Wigry National Park, centred around the eponymous lake, the largest in the area. This is a beautiful area of forest, bogs, many smaller lakes, and traditional villages. The flagship species of the park is the Beaver.

We said our farewells and departed Biebrza, after enjoying a huge breakfast that had been specially prepared for us. We drove on minor roads towards the city of Augustow, seeing Hare

and Fox along the way. Once through town we tried to find a way down to the Rospuda river, not an easy task. One amazing dirt track led us to a wooden boardwalk very well hidden inside the forest and surely hardly ever visited! The usual bog community was here, but a great addition was *Pinguicula intermedia* in fine flower. Large Heath was on the wing, and Common Cranes flew over. Lucas explained the threat to the Rospuda Valley from the proposed Via Baltica road, an 'improvement' of the highway from Estonia, through Latvia, Lithuania, and Poland, and west into Germany. This is currently a very important and well publicised conservation issue here.

Lucas and I part guessed and part intuited a route along the network of forest tracks. We arrived at a beautiful riverside stop where in the water were many fish including Roach, Rudd, Bleak and Perch. Azure Dmselflies and Beautiful Demoiselles were numerous. Another riverside stop provided a lunch stop, with young Trout here too. Holly Blue was on the wing and Crested Tits were calling. A brief stop by a lakeshore produced Willow Tit and *Epilobium montanum*.

It was not far now to our hotel in the Wigry National Park, another place with a marvellous rural setting. Having left our luggage in the rooms we set out to find a nearby raised bog hidden in the forest. This was a superb place, with much *Drosera rotundifolia* growing amid the *Sphagnum*. Labrador Tea and a lot of Cranberry were in flower. This is notable as the site of the only colony of Baltic Grayling in Poland, and we saw at least ten of them, characteristically settling on the trunks of the pine trees. Both sexes of Northern Chequered Skipper were also on the wing.

Another stop in very different habitat by Wigry lakeshore produced rosettes of *Jovibarba sobolifera*, and *Thymus serpyllum* in flower. A nearby sklep was raided for wine supplies for dinner in what was a dry hotel! Dinner itself was lovingly prepared and excellent.

Day 11 Saturday 7th June

Wigry National Park

Today we explored Wigry National Park, visiting several sites I'd found the previous year, as well as finding some new ones. Our route took us through some remarkably isolated little villages, and along many little used forest and farmland roads. The area had much unspoilt countryside.

The first stop was to walk a short forest trail by the lakeshore, where we saw Goosander with young, and Goldeneye. Wood Warbler sang in the woodland. Near here was a beautiful peat bog, accessed by a short boardwalk, and characterised by Cranberry, Hare's-tail Cotton Grass, *Scheuchzeria palustris*, Common Sundew, Bogbean, and sedges including *Carex limosa*, *Carex rostrata*, and *Carex nigra*. The mosses were particularly fine, including *Polytrichum commune* and various *Sphagnum* species.

Butterflies recorded today included a male Large Copper, Northern Chequered Skipper, and the only Glanville Fritillary of the tour. The area was rich in dragonflies, with both Demoiselles, White-legged Damselfly, Blue-tailed Damselfly, Norfolk Hawker, Lesser Emperor, Common Clubtail, Northern Emerald, and Two-spotted Dragonfly among those seen.

At lunch the arable fields nearby were blue with a superb show of cornflowers, and a few corncockles. A series of small pools in agricultural land are protected as excellent amphibian habitat. We were especially hoping to see Common Spadefoot here, but much searching proved unsuccessful, and we had to content ourselves with more prosaic species such as Common Frog, Common Toad and Pool/Edible Frogs. Other plants noted at Wigry were Skullcap, Corn Gromwell, Sticky Catchfly, and a few Bird's-nest Orchids. A highlight of the day came along a rough forest track where we found some fine examples of the parasite Toothwort, in fine flower.

The final stop of the day was in a remote protected area of forest where it was rumoured that Lady's Slippers grew. Despite much searching there was no sign of what is a very scarce species here. Dinner was an interesting affair, the first course eaten inside, and then moving outside for a barbecue, as we cooked our own sausages over the fire on a beautiful cool and clear evening.

Day 12 Sunday 8th June

Journey To Warsaw, and Departure

We left the 'hotel with no name', and its friendly owners, and started the long journey to Warsaw. We had plenty of time however and started as we meant to go on, on very minor roads, some of them unpaved, and some of them cobbled. We managed to get nearly the whole way to the capital like this, the main roads being so busy and unpleasant, it really is faster, and certainly infinitely more enjoyable, to travel these quiet rural roads. We saw almost no other vehicles for much of the way, and just appreciated the extensive agricultural scenery, crops blue with cornflowers, small villages, and unspoilt habitat in between. It was great to be able to end the tour like this and not spoil the impression of the Polish countryside with highways choked with trucks.

Initially we revisited several of the sites of the tour, The Augustow forest, and Biebrza, taking again the Tsar's Road. A rest stop there produced some *Pulsatilla patens* that had only just finished flowering. Lunch was eaten at a riverside stop, and shortly after we really did have to rejoin the twenty first century and drive through Warsaw to the airport. The city was busy, even on a Sunday.

We arrived exactly on schedule, and I returned the mini-bus. The new terminal was a great improvement, but bad weather in central Europe meant delays, and for me a missed connection at Munich where I had to spend the night before returning to Turin the next day.

Systematic List Number 1

Plants

N.B. In the following list the following abbreviations are used:-

B=Bialowieza National Park

Bb=Biebrza National Park

W=Wigry National Park

Siem=Siemianowka Reservoir

The nomenclature and systematic order of the plant lists generally follow 'The Flora of Vascular Plants in the Bialowieza Forest' by Sokolowski, 1995, and 'List of Vascular Plants of the Biebrza National Park and the Biebrza Valley' by Werpachowski, 2003.

Ferns and Allies

Lycopodiaceae

| | | |
|----------------------|-----------------------------|--|
| Interrupted Clubmoss | <i>Lycopodium annotinum</i> | Forest in Biebrza, also B, and locally common at W |
| Stagshorn Clubmoss | <i>Lycopodium clavatum</i> | Siemianovka woodland |

Equisetaceae

| | | |
|------------------|-----------------------------|-------------------------|
| Common Horsetail | <i>Equisetum arvense</i> | B, Bb and W |
| Water Horsetail | <i>Equisetum fluviatile</i> | B, Biebrza, W, and Siem |
| Marsh Horsetail | <i>Equisetum palustre</i> | Bialowieza and Bb |
| Shady Horsetail | <i>Equisetum pratense</i> | Bialowieza and Bb |
| Wood Horsetail | <i>Equisetum sylvaticum</i> | Bialowieza |

Hypolepidaceae

| | | |
|---------|----------------------------|------------|
| Bracken | <i>Pteridium aquilinum</i> | Widespread |
|---------|----------------------------|------------|

Woodsiaceae

| | | |
|-----------|--------------------------------|-------------------|
| Lady Fern | <i>Athyrium filix-femina</i> | Bialowieza and Bb |
| Oak Fern | <i>Gymnocarpium dryopteris</i> | Bialowieza and Bb |

Thelypteridaceae

| | | |
|------------|------------------------------|---------------------------|
| Marsh Fern | <i>Thelypteris palustris</i> | Locally common in marshes |
|------------|------------------------------|---------------------------|

Dryopteridaceae

| | | |
|----------------------|-------------------------------|-----------------------|
| Narrow Buckler-fern | <i>Dryopteris carthusiana</i> | Bialowieza |
| Crested Buckler Fern | <i>Dryopteris cristata</i> | Bialowieza, Bb and W |
| Broad Buckler-fern | <i>Dryopteris dilatata</i> | Bialowieza |
| Male Fern | <i>Dryopteris filix-mas</i> | Widespread in forests |

Gymnospermae

Pinaceae

| | | |
|-------|----------------------|-------------------|
| Larch | <i>Larix decidua</i> | Scattered records |
|-------|----------------------|-------------------|

| | | |
|---------------|-------------------------|--|
| Norway Spruce | <i>Picea abies</i> | Dominant in wetter forest, co-dominant in drier sites. |
| Scot's Pine | <i>Pinus sylvestris</i> | Locally dominant. |

Cupressaceae

| | | |
|---------|---------------------------|-------------------------------------|
| Juniper | <i>Juniperus communis</i> | Siemianovka understory, W and Bb |
|---------|---------------------------|-------------------------------------|

Angiospermae

Dicotyledones

Salicaceae

| | | |
|--------------------|-----------------------------|---|
| White Poplar | <i>Populus alba</i> | Bialowieza etc. |
| Black Poplar | <i>Populus nigra</i> | Bialowieza etc. |
| Aspen | <i>Populus tremula</i> | Damp forest and streamsides |
| White Willow | <i>Salix alba</i> | Bb |
| Eared Sallow | <i>Salix aurita</i> | Bb |
| Goat Willow | <i>Salix caprea</i> | Widespread |
| Grey Sallow | <i>Salix cinerea</i> | Noted in all areas |
| Crack Willow | <i>Salix fragilis</i> | Marshes, all areas |
| Downy Willow | <i>Salix lapponum</i> | 1 plant at the Aquatic Warbler site, Bb |
| Dark-leaved Willow | <i>Salix myrsinifolia</i> | Bb |
| Bay Willow | <i>Salix pentandra</i> | Widespread |
| Purple Osier | <i>Salix purpurea</i> | Bialystok fishponds |
| a willow | <i>Salix rosmarinifolia</i> | Bogs |
| a willow | <i>Salix starkeana</i> | Near gate to Strict Reserve, B |
| Almond Willow | <i>Salix triandra</i> | B |

Betulaceae

| | | |
|--------------|-------------------------|---------------------------------|
| Alder | <i>Alnus glutinosa</i> | Widespread and very common |
| Grey Alder | <i>Alnus incana</i> | B and Bb |
| Silver Birch | <i>Betula pendula</i> | Drier woodland |
| Downy Birch | <i>Betula pubescens</i> | Widespread, especially Bb and W |

Corylaceae

| | | |
|----------|-------------------------|-----------------------|
| Hornbeam | <i>Carpinus betulus</i> | Locally common |
| Hazel | <i>Corylus avellana</i> | Bialowieza, Bb, and W |

Fagaceae

| | | |
|-------------|------------------------|---------------------------------|
| Sessile Oak | <i>Quercus petraea</i> | Only near Narewka at B |
| Common Oak | <i>Quercus robur</i> | Widespread |
| Red Oak | <i>Quercus rubra</i> | Around Bialowieza village, etc. |

Ulmaceae

| | | |
|----------|---------------------|------------|
| Wych Elm | <i>Ulmus glabra</i> | Bialowieza |
|----------|---------------------|------------|

Cannabaceae

Hop *Humulus lupulus* Bialowieza and Bb

Urticaceae

Stinging Nettle *Urtica dioica* Widespread

Loranthaceae

Mistletoe *Viscum album* Widespread, mostly on poplar

Aristolochiaceae

Asarabacca *Asarum europaeum* Locally in flower in forest, e.g. B

Polygonaceae

Amphibious Bistort *Polygonum amphibium* Siemianovka
Bistort *Polygonum bistorta* Widespread
Redshank *Polygonum persicaria* Dojlidy
Giant Knotweed *Reynoutria sachlinensis* Bialowieza
Common Sorrel *Rumex acetosa* Widespread
Sheep's Sorrel *Rumex acetosella* Local
Scottish Dock *Rumex aquaticus* Bb
a dock *Rumex confertus* Possibly this species at Bb
Curled Dock *Rumex crispus* Bb
Water Dock *Rumex hydrolapathum* Widespread in suitable habitat, in leaf
a dock *Rumex thyrsoiflorus* Local
Broad-leaved Dock *Rumex obtusifolius* Widespread
Marsh Dock *Rumex palustris* Leaves at Bb

Chenopodiaceae

Fat Hen *Chenopodium album* Hotel at Bb

Caryophyllaceae

Corncockle *Agrostemma githago* Bb and W, arable weed
Thyme-leaved Sandwort *Arenaria serpyllifolia* Widespread
Field Mouse-ear *Cerastium arvense* B and Bb
Common Mouse-ear *Cerastium fontanum* Widespread
Sticky Mouse-ear *Cerastium glomeratum* B and Bb
Carthusian Pink *Dianthus carthusianorum* A few in flower on 2 days in Bb
a pink *Dianthus arenarius* This beautiful white, deeply fringed flowered species was seen near Siemianowka

Smooth Rupturewort *Herniaria glabra* Open dry sandy ground
Ragged Robin *Lychnis flos-cuculi* Very common in wet meadows
Sticky Catchfly *Lychnis viscaria* Wigry area
Three-veined Sandwort *Moehringia trinervis* B
Water Chickweed *Myosoton aquaticum* Bb
Annual Pearlwort *Sagina apetala* Scattered
Knotted Pearlwort *Sagina nodosa* Biebrza

| | | |
|----------------------|-----------------------------|-----------------------------|
| Procumbent Pearlwort | <i>Sagina procumbens</i> | Bb |
| Knawel | <i>Scleranthus annuus</i> | Siem and W |
| Perennial Knawel | <i>Scleranthus perennis</i> | Bb |
| White Campion | <i>Silene alba</i> | B and Bb |
| Nottingham Catchfly | <i>Silene nutans</i> | Scattered |
| Bladder Campion | <i>Silene vulgaris</i> | Siemianovka |
| Corn Spurrey | <i>Spergula arvensis</i> | Bb |
| Lesser Stitchwort | <i>Stellaria graminea</i> | Bialowieza and Bb |
| Greater Stitchwort | <i>Stellaria holostea</i> | Local at B |
| Common Chickweed | <i>Stellaria media</i> | Widespread |
| Wood Stitchwort | <i>Stellaria nemorum</i> | Bialowieza, common in woods |
| Marsh Stitchwort | <i>Stellaria palustris</i> | Siemianovka, B, and Bb |

Nymphaeaceae

| | | |
|-------------------|----------------------|-----------------------|
| Yellow Water-lily | <i>Nuphar lutea</i> | In flower at Bb and W |
| White Water-lily | <i>Nymphaea alba</i> | In flower at Bb |

Ceratophyllaceae

| | | |
|----------|-------------------------------|-------------------|
| Hornwort | <i>Ceratophyllum demersum</i> | Ponds, Bialowieza |
|----------|-------------------------------|-------------------|

Ranunculaceae

| | | |
|------------------------------|----------------------------------|--|
| Baneberry | <i>Actaea spicata</i> | Bb |
| Wood Anemone | <i>Anemone nemorosa</i> | Many in seed in woods, 1 flower at B |
| Common Columbine | <i>Aquilegia vulgaris</i> | Widespread but local |
| Marsh Marigold | <i>Caltha palustris</i> | Widespread in leaf |
| Forking Larkspur | <i>Consolida regalis</i> | Bb |
| Hepatica | <i>Hepatica nobilis</i> | Leaves in forests |
| Eastern Pasque Flower | <i>Pulsatilla patens</i> | In fruit at Red Marsh Bb, and several at rest stop in Bb woods on route to Warsaw, some still just in flower |
| Meadow Buttercup | <i>Ranunculus acris</i> | Scattered records |
| Common Water Crowfoot | <i>Ranunculus aquatilis</i> | Ponds at Wigry |
| a buttercup | <i>Ranunculus cassubicus</i> | B |
| Fan-leaved Water Crowfoot | <i>Ranunculus circinatus</i> | B and Bb |
| Lesser Spearwort | <i>Ranunculus flammula</i> | Gornianske Laki |
| Woolly Buttercup | <i>Ranunculus lanuginosus</i> | Rather common at B |
| Greater Spearwort | <i>Ranunculus lingua</i> | In bud at Bb |
| Multiflowered Buttercup | <i>Ranunculus polyanthemus</i> | Common in meadows |
| Creeping Buttercup | <i>Ranunculus repens</i> | Widespread |
| Hairy Buttercup | <i>Ranunculus sardous</i> | Scattered |
| Celery-leaved Buttercup | <i>Ranunculus sceleratus</i> | Biebza and Bialystok |
| Thread-leaved Water Crowfoot | <i>Ranunculus trichophyllus</i> | B and Bb |
| Greater Meadow-rue | <i>Thalictrum aquilegifolium</i> | Bb |
| Common Meadow-rue | <i>Thalictrum flavum</i> | Bb |
| a meadow-rue | <i>Thalictrum lucidum</i> | In one meadow at Bb |

Papaveraceae

| | | |
|-------------------|--------------------------|----------------------------|
| Great Celandine | <i>Chelidonium majus</i> | Widespread and very common |
| Prickly Poppy | <i>Papaver argemone</i> | Biebrza |
| Long-headed Poppy | <i>Papaver dubium</i> | Biebrza |
| Common Poppy | <i>Papaver rhoeas</i> | Biebrza and Siem |

Cruciferae

| | | |
|---------------------------|--------------------------------|---------------------------|
| Garlic Mustard | <i>Alliaria petiolata</i> | Scattered |
| Small Alison | <i>Alyssum alyssoides</i> | In seed at W |
| Thale Cress | <i>Arabidopsis thaliana</i> | B |
| Tower Mustard | <i>Arabis glabra</i> | B, Bb and W |
| Horse Radish | <i>Armoracia rusticana</i> | Widespread |
| Common Wintercress | <i>Barbarea vulgaris</i> | Scattered |
| Hoary Alison | <i>Bertoroa incana</i> | Locally common |
| Warty Cabbage | <i>Bunias orientalis</i> | Bb |
| a gold-of-pleasure | <i>Camelina microcarpa</i> | Bb |
| Gold-of-Pleasure | <i>Camelina sativa</i> | Arable weed at W, 2007 |
| Shepherd's Purse | <i>Capsella bursa-pastoris</i> | Widespread and common |
| Coralroot Bittercress | <i>Cardamine bulbifera</i> | In seed at B |
| Wavy Bittercress | <i>Cardamine flexuosa</i> | B |
| Narrow-leaved Bittercress | <i>Cardamine impatiens</i> | Forest at B |
| a lady's-smock | <i>Cardamine palustris</i> | Bb |
| Lady's Smock | <i>Cardamine pratensis</i> | B |
| Tall Rockcress | <i>Cardaminopsis arenosa</i> | B, locally common |
| Flixweed | <i>Descurainia sophia</i> | Bialystok |
| Least Pepperwort | <i>Lepidium neglectum</i> | Siem |
| Narrow-leaved Pepperwort | <i>Lepidium ruderae</i> | Bialystok |
| Great Yellowcress | <i>Rorippa amphibia</i> | Locally numerous in lakes |
| Marsh Yellowcress | <i>Rorippa palustris</i> | Noted on day 6 |
| London Rocket | <i>Sisymbrium irio</i> | Bb |
| Hedge Mustard | <i>Sisymbrium officinale</i> | B |
| Eastern Rocket | <i>Sisymbrium orientale</i> | Bialystok |
| a rocket | <i>Sisymbrium volgense</i> | Bb |
| Field Pennywort | <i>Thlaspi arvense</i> | Scattered |

Resedaceae

| | | |
|-----------------|---------------------|----|
| Wild Mignonette | <i>Reseda lutea</i> | Bb |
|-----------------|---------------------|----|

Droseraceae

| | | |
|---------------|-----------------------------|---------------|
| Common Sundew | <i>Drosera rotundifolia</i> | Bogs at Wigry |
|---------------|-----------------------------|---------------|

Crassulaceae

| | | |
|------------------|-----------------------------|---------------|
| Hen and Chickens | <i>Jovibarba sobolifera</i> | In leaf at W |
| Wall-pepper | <i>Sedum acre</i> | Widespread |
| Orpine | <i>Sedum telephium</i> | Strekowa Gora |

Saxifragaceae

Alternate-leaved Golden Saxifrage *Chrysosplenium alternifolium* B

Grossulariaceae

Mountain Currant *Ribes montanum* Wigry
Redcurrant *Ribes rubrum* Bialowieza etc.
Downy Currant *Ribes spicatum* B

Hydrangeaceae

Mock Orange *Philadelphus coronarius* Wigry

Rosaceae

Agrimony *Agrimonia eupatoria* Noted in leaf
Fragrant Agrimony *Agrimonia procera* Forest edges, Bialowieza, in leaf
Lady's Mantle *Alchemilla* spp. Probably several species present
Hawthorn *Crataegus monogyna* Bialowieza
Meadowsweet *Filipendula ulmaria* Widespread in leaf
Wild Strawberry *Fragaria vesca* Widespread
a strawberry *Fragaria viridis* Scattered, mostly B
an avens *Geum aleppicum* Bialowieza
Water Avens *Geum rivale* Common and widespread
Herb Bennet *Geum urbanum* Common and widespread
Silverweed *Potentilla anserina* Widespread
Silver Cinquefoil *Potentilla argentea* Widespread
Sand Cinquefoil *Potentilla cinerea* In leaf in Red Marsh dunes, Bb, synonym
P.arenaria
Possibly this species seen
a cinquefoil *Potentilla collina* Widespread and locally abundant
Tormentil *Potentilla erecta* Possibly present as well as P.argentea
a cinquefoil *Potentilla neglecta* Noted on day 6
Norwegian Cinquefoil *Potentilla norvegica* Bogs at Bb and Siem
Marsh Cinquefoil *Potentilla palustris* Widespread
Creeping Cinquefoil *Potentilla reptans* Scattered
Wild Cherry *Prunus avium* B, Bb, and W
Bird Cherry *Prunus padus* Scattered
Blackthorn *Prunus spinosa* Bb
Dog Rose *Rosa canina* Naturalised near Hajnowka
Japanese Rose *Rosa rugosa* Other species not identified
Rose species *Rosa* spp. Scattered records
Dewberry *Rubus caesius* Locally common in forests
Raspberry *Rubus idaeus* Wigry
Stone Bramble *Rubus saxatilis* Scattered
Rowan *Sorbus aucuparia*

Leguminosae

Kidney Vetch *Anthyllis vulneraria* Siem and W(very tall)

| | | |
|---------------------|------------------------------------|----------------------------------|
| Sand Milk-vetch | <i>Astragalus arenarius</i> | Sandy soils at Bb |
| Purple Milk-vetch | <i>Astragalus danicus</i> | Local at B |
| Wild Liquorice | <i>Astragalus glycyphyllos</i> | In leaf at various sites |
| a hairy broom | <i>Chamaecytisus ratisbonensis</i> | Bialowieza, very local |
| a hairy broom | <i>Chamaecytisus ruthenicus</i> | Bialowieza, very local |
| Broom | <i>Cytisus scoparius</i> | Local at Bb and B |
| Garden Lupin | <i>Lupinus polyphyllus</i> | Naturalised locally on roadsides |
| Black Pea | <i>Lathyrus niger</i> | In bud at B |
| Marsh Pea | <i>Lathyrus palustris</i> | Very scarce at Siem |
| Meadow Vetchling | <i>Lathyrus pratensis</i> | Bb and W |
| Spring Pea | <i>Lathyrus vernus</i> | Scattered |
| Bird's-foot Trefoil | <i>Lotus corniculatus</i> | Scattered |
| Black Medick | <i>Medicago lupulina</i> | B |
| Lucerne | <i>Medicago sativa sativa</i> | Roadsides |
| Sickle Medick | <i>Medicago sativa falcata</i> | Bb |
| Ribbed Melilot | <i>Melilotus officinalis</i> | Wigry |
| Sainfoin | <i>Onobrychis viciifolia</i> | Wigry |
| False Acacia | <i>Robinia pseudacacia</i> | Planted in shelter belts |
| Hare-s-foot Clover | <i>Trifolium arvense</i> | Dry sandy grassland |
| Lesser Trefoil | <i>Trifolium dubium</i> | Siem and B |
| Alsike Clover | <i>Trifolium hybridum</i> | Bialystok |
| Zigzag Clover | <i>Trifolium medium</i> | Bialystok |
| Red Clover | <i>Trifolium pratense</i> | Widespread and common |
| White Clover | <i>Trifolium repens</i> | Widespread and common |
| Red Trefoil | <i>Trifolium rubens</i> | Bb in flower and B in bud |
| Tufted Vetch | <i>Vicia cracca</i> | Scattered |
| Hairy Tare | <i>Vicia hirsuta</i> | Local |
| Common Vetch | <i>Vicia sativa</i> | Widespread |
| Bush Vetch | <i>Vicia sepium</i> | Scattered, mostly B |
| Wood Vetch | <i>Vicia sylvatica</i> | Very local at B and W |
| a tare | <i>Vicia tetrasperma</i> | B and W |
| Fodder Vetch | <i>Vicia villosa</i> | Bb and W |

Oxalidaceae

| | | |
|--------------------------|---------------------------|------------------------------|
| Wood Sorrel | <i>Oxalis acetosella</i> | Common in leaf at many sites |
| Procumbent Yellow Sorrel | <i>Oxalis corniculata</i> | Weed in Warsaw |

Geraniaceae

| | | |
|-----------------------------|-----------------------------|------------------------------------|
| Common Stork's-bill | <i>Erodium cicutarium</i> | Siemianovka, B, and W |
| Dove's-foot Crane's-bill | <i>Geranium molle</i> | Noted on day 6 |
| Dusky Crane's-bill | <i>Geranium phaeum</i> | Locally abundant on roadsides at B |
| Small-flowered Crane's-bill | <i>Geranium pusillum</i> | Bb |
| Hedgerow Crane's-bill | <i>Geranium pyrenaicum</i> | Widespread |
| Herb Robert | <i>Geranium robertianum</i> | Widespread |
| Bloody Crane's-bill | <i>Geranium sanguineum</i> | Local but widespread |
| Wood Crane's-bill | <i>Geranium sylvaticum</i> | Widespread |

Euphorbiaceae

| | | |
|------------------|------------------------------|-----------------------------|
| Cypress Spurge | <i>Euphorbia cyparissias</i> | Kosy Most and other B sites |
| Hungarian Spurge | <i>Euphorbia esula</i> | Locally common |
| Sun Spurge | <i>Euphorbia helioscopia</i> | Bb |
| a spurge | <i>Euphorbia virgata</i> | Scattered |
| Dog's Mercury | <i>Mercurialis perennis</i> | Forest at Bialowieza |

Polygalaceae

| | | |
|-----------------|--------------------------|----------------------|
| Tufted Milkwort | <i>Polygala comosa</i> | Bb and B, very local |
| Common Milkwort | <i>Polygala vulgaris</i> | B and W, local |

Aceraceae

| | | |
|--------------|----------------------------|-------------------------------|
| Box Elder | <i>Acer negundo</i> | Naturalised along forest edge |
| Norway Maple | <i>Acer platanoides</i> | Widespread and common |
| Sycamore | <i>Acer pseudoplatanus</i> | Widespread |

Hippocastanaceae

| | | |
|----------------|-------------------------------|---|
| Horse Chestnut | <i>Aesculus hippocastanum</i> | B |
|----------------|-------------------------------|---|

Balsaminaceae

| | | |
|--------------|-------------------------------|----------|
| Touch-me-not | <i>Impatiens noli-tangere</i> | B |
| Small Balsam | <i>Impatiens parviflora</i> | B and Bb |

Celastraceae

| | | |
|----------------|----------------------------|--|
| Spindle-tree | <i>Euonymus europaeus</i> | Around Bialowieza village, and at Bb and W |
| a spindle-tree | <i>Euonymus verrucosus</i> | B and W |

Rhamnaceae

| | | |
|-----------------|----------------------------|----------|
| Alder Buckthorn | <i>Frangula alnus</i> | Bb and B |
| Buckthorn | <i>Rhamnus catharticus</i> | Bb |

Tiliaceae

| | | |
|-------------------|----------------------|------------|
| Small-leaved Lime | <i>Tilia cordata</i> | Widespread |
|-------------------|----------------------|------------|

Guttiferae

| | | |
|-------------------------|-----------------------------|--------------------|
| Common St.John's-wort | <i>Hypericum perforatum</i> | In leaf at B and W |
| Mountain St.John's-wort | <i>Hypericum montanum</i> | Scattered in leaf |

Violaceae

| | | |
|-------------------|------------------------|--------------|
| Field Pansy | <i>Viola arvensis</i> | B and W |
| Heath Dog Violet | <i>Viola canina</i> | B |
| Marsh Violet | <i>Viola palustris</i> | In leaf at W |
| Common Dog Violet | <i>Viola riviniana</i> | B |
| Heartsease | <i>Viola tricolor</i> | B |

Cistaceae

Common Rock-rose *Helianthemum nummularium* Only at W

Thymelaeaceae

Mezereon *Daphne mezereum* Noted on 4 days

Cucurbitaceae

White Bryony *Bryonia dioica* Scattered

Onagraceae

Enchanter's Nightshade *Circaea* sp. One or more species in leaf in forests
Rosebay Willowherb *Epilobium angustifolium* Noted in leaf on only 1 day!
Great Willowherb *Epilobium hirsutum* In leaf at B
Broad-leaved Willowherb *Epilobium montanum* Wigry
Evening Primrose sp. *Oenothera* sp. Roadsides etc, widespread old spikes and fresh leaves

Cornaceae

Dogwood
a dogwood *Cornus sanguinea* B and Bb
Cornus sericea Naturalised at Bialystok fishponds

Araliaceae

Ivy *Hedera helix* Scattered

Umbelliferae

Ground Elder *Aegopodium podagraria* Widespread and common
Wild Angelica *Angelica sylvestris* Bialowieza, Bb and W
Cow Parsley *Anthriscus sylvestris* Common and widespread
Caraway *Carum carvi* Bb and W
Hairy Chervil *Chaerophyllum hirsutum* Local at B
Rough Chervil *Chaerophyllum temulem* Bb
Cowbane *Cicuta virosa* In leaf at Bb
Hogweed *Heracleum sphondylium* Dojlidy
 ssp.sibiricum
Fine-leaved Water Dropwort *Oenanthe aquatica* In leaf on day 5
Milk Parsley *Peucedanum palustre* Scattered in leaf
Burnet Saxifrage sp. *Pimpinella* sp. In leaf
Sanicle *Sanicula europaea* In flower in forests in B
Cambridge Milk Parsley *Selinum carvifolia* Leaves at B
Greater Water Parsnip *Sium latifolium* In leaf at Bb

Pyrolaceae

Umbellate Wintergreen *Chimaphila umbellata* In bud at Siem, 2007
Nodding Wintergreen *Orthilia secunda* In bud at Siem
Lesser Wintergreen *Pyrola minor* In bud at Siem

Ericaceae

| | | |
|--------------|------------------------------|-----------------------------------|
| Bog Rosemary | <i>Andromeda polifolia</i> | In leaf in bogs at W |
| Ling | <i>Calluna vulgaris</i> | Local but widespread |
| Labrador Tea | <i>Ledum palustre</i> | In flower in bogs at Bb and W |
| Bilberry | <i>Vaccinium myrtillus</i> | Local at Bialowieza, Biebza and W |
| Cranberry | <i>Vaccinium oxycoccos</i> | Bogs at W |
| Bog Bilberry | <i>Vaccinium uliginosum</i> | Bogs at Bb and W |
| Cowberry | <i>Vaccinium vitis-idaea</i> | Local but widespread |

Primulaceae

| | | |
|-----------------------|--------------------------------|--------------------------------|
| Water-violet | <i>Hottonia palustris</i> | Biebza and B, in flower |
| Cowslip | <i>Primula veris</i> | In seed at B and W |
| Creeping Jenny | <i>Lysimachia nummularia</i> | Scattered records |
| Tufted Loosestrife | <i>Lysimachia thyrsoiflora</i> | Gornianske Laki, Bb, and W |
| Yellow Loosestrife | <i>Lysimachia vulgaris</i> | In leaf at W |
| Chickweed Wintergreen | <i>Trientalis europaea</i> | Local in forest at B, Bb and W |

Plumbaginaceae

| | | |
|--------|-------------------------|-----------------------------|
| Thrift | <i>Armeria maritima</i> | Locally in flower at Biebza |
|--------|-------------------------|-----------------------------|

Oleaceae

| | | |
|-----|---------------------------|-------------------|
| Ash | <i>Fraxinus excelsior</i> | Bialowieza and Bb |
|-----|---------------------------|-------------------|

Menyanthaceae

| | | |
|---------|------------------------------|------------------------------------|
| Bogbean | <i>Menyanthes trifoliata</i> | Locally common in bogs at Bb and W |
|---------|------------------------------|------------------------------------|

Asclepiadaceae

| | | |
|--------------|----------------------------------|-------------------|
| Swallow-wort | <i>Vincetoxicum hirundinaria</i> | Local at Bb and W |
|--------------|----------------------------------|-------------------|

Rubiaceae

| | | |
|------------------|--------------------------|----------------------------|
| Crosswort | <i>Cruciata laevipes</i> | B, local |
| Upright Bedstraw | <i>Galium album</i> | In bud |
| Cleavers | <i>Galium aparine</i> | Scattered |
| Sweet Woodruff | <i>Galium odoratum</i> | Abundant in forest at B |
| Marsh Bedstraw | <i>Galium palustre</i> | B, Bb and W |
| a bedstraw | <i>Galium rivale</i> | Possibly this species at B |
| False Cleavers | <i>Galium spurium</i> | Recorded |
| Lady's Bedstraw | <i>Galium verum</i> | Biebza, and B |

Convolvulaceae

| | | |
|----------------|-----------------------------|----------|
| Field Bindweed | <i>Convolvulus arvensis</i> | Bb and W |
|----------------|-----------------------------|----------|

Polemoniaceae

| | | |
|----------------|-----------------------------|-------------------------------|
| Jacob's Ladder | <i>Polemonium caeruleum</i> | B and Bb, very locally common |
|----------------|-----------------------------|-------------------------------|

Boraginaceae

| | | |
|---------------------|-------------------------------|-------------------------------|
| True Alkanet | <i>Anchusa officinalis</i> | Widespread and locally common |
| Bugloss | <i>Anchusa arvensis</i> | Biebza |
| Corn Gromwell | <i>Buglossoides arvensis</i> | Arable weed at W and B |
| Hound's-tongue | <i>Cynoglossum officinale</i> | W |
| Viper's Bugloss | <i>Echium vulgare</i> | Widespread |
| Field Forget-me-not | <i>Myosotis arvensis</i> | Scattered records |
| a forget-me-not | <i>Myosotis laxa</i> | B |
| Water Forget-me-not | <i>Myosotis scorpioides</i> | B and W |
| a forget-me-not | <i>Myosotis sparsiflora</i> | Topilo |
| Wood Forget-me-not | <i>Myosotis sylvatica</i> | Palace Park, B |
| Common Comfrey | <i>Symphytum officinale</i> | Local at B and Bb |

Callitrichaceae

| | | |
|--------------------|------------------------|----------------|
| Water-starwort sp. | <i>Callitriche</i> sp. | Waterways at B |
|--------------------|------------------------|----------------|

Labiatae

| | | |
|----------------------|---------------------------------|---------------------------------|
| Blue Bugle | <i>Ajuga genevensis</i> | B |
| Bugle | <i>Ajuga reptans</i> | B |
| Black Horehound | <i>Ballota nigra</i> | In leaf |
| Common Hemp-nettle | <i>Galeopsis tetrahit</i> | Bialowieza |
| Ground Ivy | <i>Glechoma hederacea</i> | Bialowieza |
| Yellow Archangel | <i>Lamiastrum galieobdolon</i> | A few in flower in forests at B |
| White Deadnettle | <i>Lamium album</i> | Bialystok and W |
| Spotted Deadnettle | <i>Lamium maculatum</i> | B |
| Gipsywort | <i>Lycopus europaeus</i> | Leaves at W and B |
| White Horehound | <i>Marrubium vulgare</i> | Siem |
| Water Mint | <i>Mentha aquatica</i> | B and Bb |
| Corn Mint | <i>Mentha arvensis</i> | Bialowieza |
| Self-heal | <i>Prunella vulgaris</i> | Bb |
| Skullcap | <i>Scutellaria galericulata</i> | Wigry |
| Hedge Woundwort | <i>Stachys sylvatica</i> | Bison reserve, in leaf |
| Breckland Wild Thyme | <i>Thymus serpyllum</i> | W in flower, and Bb in leaf |

Solanaceae

| | | |
|-------------|--------------------------|-------------------|
| Bittersweet | <i>Solanum dulcamara</i> | Scattered records |
|-------------|--------------------------|-------------------|

Scrophulariaceae

| | | |
|------------------|------------------------------|-------------------------------|
| Small Toadflax | <i>Chaenorhinum minus</i> | Noted on day 6 |
| Toothwort | <i>Lathraea squamaria</i> | A few in good flower at Wigry |
| a cow-wheat | <i>Melampyrum nemorosum</i> | In flower at Bb and B |
| Polish Cow-wheat | <i>Melampyrum polonicum</i> | Topilo |
| Common Cow-wheat | <i>Melampyrum pratense</i> | Bialowieza |
| Small Cow-wheat | <i>Melampyrum sylvaticum</i> | Biebza |
| Marsh Lousewort | <i>Pedicularis palustris</i> | Common at one site at Bb |
| Lousewort | <i>Pedicularis sylvatica</i> | Local at Bb |

| | | |
|------------------------|------------------------------------|-------------------------|
| Narrow-leaved Rattle | <i>Rhinanthus angustifolius</i> | Bb and Gornianske Laki |
| Yellow Rattle | <i>Rhinanthus minor</i> | Gornianske Laki |
| Common Figwort | <i>Scrophularia nodosa</i> | Bialowieza, B and W |
| Green Figwort | <i>Scrophularia umbrosa</i> | Siem, 2007 |
| Purple Mullein | <i>Verbascum phoeniceum</i> | A few at Siem |
| Mullein sp. | <i>Verbascum sp.</i> | In bud at Bb |
| Blue Water Speedwell | <i>Veronica anagallis-aquatica</i> | Bb |
| Wall Speedwell | <i>Veronica arvensis</i> | B |
| Large Speedwell | <i>Veronica austriaca</i> | Bb |
| Brooklime | <i>Veronica beccabunga</i> | B and Bb |
| Bird's-eye Speedwell | <i>Veronica chamaedrys</i> | Widespread and abundant |
| a speedwell | <i>Veronica dillenii</i> | B |
| Common Field Speedwell | <i>Veronica persica</i> | Noted on day 6 |
| Marsh Speedwell | <i>Veronica scutellata</i> | B and Bb |
| Thyme-leaved Speedwell | <i>Veronica serpyllifolia</i> | B |
| Fingered Speedwell | <i>Veronica triphyllos</i> | Bb |

Lentibulariaceae

| | | |
|--------------------------|-------------------------------|----------------|
| Intermediate Bladderwort | <i>Utricularia intermedia</i> | Rospuda valley |
|--------------------------|-------------------------------|----------------|

Plantaginaceae

| | | |
|------------------|----------------------------|------------|
| Ribwort Plantain | <i>Plantago lanceolata</i> | Widespread |
| Greater Plantain | <i>Plantago major</i> | Widespread |
| Hoary Plantain | <i>Plantago media</i> | W and Bb |

Caprifoliaceae

| | | |
|-----------------|-----------------------------|------------------------|
| Fly Honeysuckle | <i>Lonicera xylosteum</i> | B and W |
| Common Elder | <i>Sambucus nigra</i> | Widespread |
| Snowberry | <i>Symphoricarpus albus</i> | Palace Park at B, etc. |
| Guelder-rose | <i>Viburnum opulus</i> | B, W and Bb in flower |

Valerianaceae

| | | |
|-----------------|------------------------------|----------|
| Marsh Valerian | <i>Valeriana dioica</i> | Bb |
| Common Valerian | <i>Valeriana officinalis</i> | Bb and B |

Dipsacaceae

| | | |
|-----------------|----------------------------|-------------------|
| Field Scabious | <i>Knautia arvensis</i> | Scattered records |
| Yellow Scabious | <i>Scabiosa ochroleuca</i> | Siem |

Campanulaceae

| | | |
|--------------------------|-------------------------------|--------------------------|
| Spreading Bellflower | <i>Campanula patula</i> | B bison reserve and W |
| Peach-leaved Bellflower | <i>Campanula persicifolia</i> | In bud at W |
| Harebell | <i>Campanula rotundifolia</i> | Only at B, 2007 |
| Nettle-leaved Bellflower | <i>Campanula trachelium</i> | In leaf at Bb |
| Sheep's-bit | <i>Jasione montana</i> | Bb |
| Spiked Rampion | <i>Phyteuma spicatum</i> | Scattered records in bud |

Compositae

| | | |
|--------------------|----------------------------------|---------------------------------------|
| Yarrow | <i>Achillea millefolium</i> | Scattered records |
| Corn Chamomile | <i>Anthemis arvensis</i> | Biebza, B and W |
| Yellow Chamomile | <i>Anthemis tinctoria</i> | In bud at B |
| Wormwood | <i>Artemisia absinthium</i> | Scattered records |
| a wormwood | <i>Artemisia austriaca</i> | In leaf |
| Field Southernwood | <i>Artemisia campestris</i> | Bialowieza and Bb |
| Mugwort | <i>Artemisia vulgaris</i> | Widespread |
| Daisy | <i>Bellis perennis</i> | Scattered |
| Cornflower | <i>Centaurea cyanus</i> | A very common arable weed |
| Greater Knapweed | <i>Centaurea scabiosa</i> | Wigry |
| Pineapple-weed | <i>Chamomila suaveolens</i> | Scattered |
| Chicory | <i>Cichorium intybus</i> | Roadsides |
| Creeping Thistle | <i>Cirsium arvense</i> | Scattered |
| Cabbage Thistle | <i>Cirsium oleraceum</i> | In leaf at various sites |
| Marsh Thistle | <i>Cirsium palustre</i> | Locally common in marshes |
| Brook Thistle | <i>Cirsium rivulare</i> | Locally common |
| Spear Thistle | <i>Cirsium vulgare</i> | Scattered |
| Marsh Hawk's-beard | <i>Crepis paludosa</i> | Widespread |
| a hawk's-beard | <i>Crepis tectorum</i> | Local at Bb |
| Blue Fleabane | <i>Erigeron acer</i> | Scattered |
| Hemp-agrimony | <i>Eupatorium cannabinum</i> | Widespread in leaf |
| Marsh Cudweed | <i>Filaginella uliginosa</i> | Biebza and Siem |
| Sand Everlasting | <i>Helichrysum arenarium</i> | Sandy soils at Bb |
| Mouse-ear Hawkweed | <i>Hieracium pilosella</i> | Locally common |
| Cat's-ear | <i>Hypochoeris radicata</i> | Scattered |
| Nipplewort | <i>Lapsana communis</i> | In leaf at B |
| Ox-eye Daisy | <i>Leucanthemum vulgare</i> | Scattered |
| Wall Lettuce | <i>Mycelis muralis</i> | In leaf at B |
| Butterbur | <i>Petasites hybridus</i> | Scattered in leaf |
| Viper's Grass | <i>Scorzonera humilis</i> | Bialowieza |
| Heath Groundsel | <i>Senecio sylvaticus</i> | Scattered |
| Marsh Fleawort | <i>Senecio congestus</i> | On one day in Bb |
| Spring Groundsel | <i>Senecio vernalis</i> | Siemianowka |
| Grounsel | <i>Senecio vulgaris</i> | Recorded |
| Goldenrod | <i>Solidago virgaurea</i> | Bb |
| Smooth Sow-thistle | <i>Sonchus oleraceus</i> | In leaf |
| Tansy | <i>Tanacetum vulgare</i> | In leaf at Bialystok |
| Dandelion | <i>Taraxacum officinale</i> | Widespread and abundant, much in seed |
| Goat's-beard | <i>Tragopogon pratensis</i> | Siemianowka and B |
| Scentless Mayweed | <i>Tripleurospermum inodorum</i> | Warsaw airport |

Monocotyledones

Alismataceae

| | | |
|----------------|---------------------------------|--------------------|
| Water Plantain | <i>Alisma plantago-aquatica</i> | Leaves noted |
| Arrowhead | <i>Sagittaria sagittifolia</i> | Leaves noted, 2007 |

Hydrocharitaceae

| | | |
|---------------|---------------------------------|----------------------------------|
| Frog-bit | <i>Hydrocharis morsus-ranae</i> | Leaves at B and Biebza |
| Water Soldier | <i>Stratiotes aloides</i> | Many in flower locally at Biebza |

Scheuchzeriaceae

| | | |
|--------------|-------------------------------|-------|
| Rannoch Rush | <i>Scheuchzeria palustris</i> | Wigry |
|--------------|-------------------------------|-------|

Potamogetonaceae

| | | |
|-----------------------|----------------------------|---------------------|
| Reddish Pondweed | <i>Potamogeton alpinus</i> | Kosy Most |
| Shining Pondweed | <i>Potamogeton lucens</i> | Bialystok fishponds |
| Broad-leaved Pondweed | <i>Potamogeton natans</i> | Biebza |

Iridaceae

| | | |
|---------------|-------------------------|---------------------------------|
| Yellow Flag | <i>Iris pseudacorus</i> | Widespread and very common |
| Siberian Iris | <i>Iris sibirica</i> | A few fine specimens at Biebrza |

Araceae

| | | |
|------------|-----------------------|-----------------------------|
| Sweet Flag | <i>Acorus calamus</i> | Leaves locally common at Bb |
|------------|-----------------------|-----------------------------|

Liliaceae

| | | |
|------------------------|--------------------------------|---|
| Ramsons | <i>Allium ursinum</i> | Bialowieza strict reserve |
| Lily-of-the-valley | <i>Convallaria majalis</i> | Locally numerous |
| Martagon Lily | <i>Lilium martagon</i> | In leaf at B, in bud at W |
| May Lily | <i>Maianthemum bifolium</i> | Locally numerous |
| Star-of-Bethlehem | <i>Ornithogalum umbellatum</i> | 1 at Gornianske Laki, probably not native |
| Herb Paris | <i>Paris quadrifolia</i> | A few at Bialowieza, Bb and W |
| Solomon's-seal | <i>Polygonatum multiflorum</i> | Bialowieza etc. |
| Angular Solomon's-seal | <i>Polygonatum odoratum</i> | Bialowieza |

Juncaceae

| | | |
|--------------------|-----------------------------|--------------------------|
| Toad Rush | <i>Juncus bufonius</i> | Biebza, locally numerous |
| Round-fruited Rush | <i>Juncus compressus</i> | Bb |
| Clustered Rush | <i>Juncus conglomeratus</i> | Bialowieza |
| Soft Rush | <i>Juncus effusus</i> | B, Siemianovka and Bb |
| Slender Rush | <i>Juncus tenuis</i> | W |
| Field Wood-rush | <i>Luzula campestris</i> | B |
| White Wood-rush | <i>Luzula luzuloides</i> | Palace Park at B |
| Heath Wood-rush | <i>Luzula multiflora</i> | Bb and B |
| Fen Wood-rush | <i>Luzula pallescens</i> | B |
| Hairy Wood-rush | <i>Luzula pilosa</i> | B and Bb |

Gramineae

| | | |
|------------------------|----------------------------------|-------------------------------------|
| Meadow Foxtail | <i>Alopecurus pratensis</i> | B |
| Marsh Foxtail | <i>Alopecurus geniculatus</i> | Gornianske Laki and Bb |
| Sweet Vernal-grass | <i>Anthoxanthum odoratum</i> | Widespread and common |
| False Oat-grass | <i>Arrhenatherum elatius</i> | Scattered |
| False Brome | <i>Brachypodium sylvaticum</i> | Scattered |
| Quaking Grass | <i>Briza media</i> | Gornianske Laki and W |
| Hungarian Brome | <i>Bromopsis inermis</i> | B |
| Soft Brome | <i>Bromus hordeaceus</i> | Widespread |
| Rough Small-reed | <i>Calamagrostis arundinacea</i> | Scattered |
| Wood Small-reed | <i>Calamagrostis epigeios</i> | Scattered |
| Grey Hair-grass | <i>Corynephorus canescens</i> | Sandy soils at Bb |
| Cock's-foot | <i>Dactylis glomerata</i> | Widespread and common |
| Tufted Hair-grass | <i>Deschampsia cespitosa</i> | Widespread |
| Giant Fescue | <i>Festuca gigantea</i> | Noted on day 6 |
| Fescues | <i>Festuca</i> spp. | Widespread |
| Floating Sweet-grass | <i>Glyceria fluitans</i> | Siem |
| Glaucous Hair-grass | <i>Koeleria glauca</i> | Noted on day 6 |
| Perennial Rye-grass | <i>Lolium perenne</i> | W |
| Mountain Melick | <i>Melica nutans</i> | Widespread |
| Wood Millet | <i>Milium effusum</i> | Common at B, also at Bb |
| Purple-stem Cat's-tail | <i>Phleum phleoides</i> | Noted on day 6 |
| Timothy | <i>Phleum pratense</i> | Common, also grown as a fodder crop |
| Reed | <i>Phragmites australis</i> | Locally dominant |
| Annual Meadow-grass | <i>Poa annua</i> | Ubiquitous |
| Flattened Meadow-grass | <i>Poa compressa</i> | B |
| Wood Meadow-grass | <i>Poa nemoralis</i> | Widespread |
| Smooth Meadow-grass | <i>Poa pratensis</i> | Common |
| Rough Meadow-grass | <i>Poa trivialis</i> | Scattered |
| Rye | <i>Secale cereale</i> | Locally naturalised |

Lemnaceae

| | | |
|-----------------|--------------------|------------------|
| Common Duckweed | <i>Lemna minor</i> | Bialowieza and B |
|-----------------|--------------------|------------------|

Typhaceae

| | | |
|----------------|------------------------|------------|
| Great Reedmace | <i>Typha latifolia</i> | Widespread |
|----------------|------------------------|------------|

Cyperaceae

| | | |
|-----------------------|----------------------------|------------------------------|
| Flat Sedge | <i>Blysmus compressus</i> | Bb |
| Slender Tufted Sedge | <i>Carex acuta</i> | Scattered along watercourses |
| Lesser Pond-Sedge | <i>Carex acutiformis</i> | Widespread |
| Fibrous Tussock Sedge | <i>Carex appropinquata</i> | Bb and B |
| Club Sedge | <i>Carex buxbaumii</i> | Bb |
| Lesser Tufted Sedge | <i>Carex cespitosa</i> | Along watercourses at B |
| White Sedge | <i>Carex curta</i> | Bialowieza village |
| Lesser Tussock Sedge | <i>Carex diandra</i> | Recorded |
| Fingered Sedge | <i>Carex digitata</i> | Scattered |

| | | |
|-------------------------------|--|---|
| Fine-leaved Sedge | <i>Carex disperma</i> | Topilo, a rare species |
| Star Sedge | <i>Carex echinata</i> | Bb |
| Tufted Sedge | <i>Carex elata</i> | Widespread and common |
| Elongated Sedge | <i>Carex elongata</i> | Widespread |
| Large Yellow Sedge a sedge | <i>Carex flava</i> <i>Carex hartmanii</i> | Bb This species appeared to be at Bb, although not listed for there |
| Hairy Sedge | <i>Carex hirta</i> | Widespread and very common |
| Slender Sedge | <i>Carex lasiocarpa</i> | Wigry |
| Long-stalked Yellow Sedge | <i>Carex lepidocarpa</i> | Bb |
| Oval Sedge | <i>Carex leporina</i> | Wigry |
| Bog Sedge | <i>Carex limosa</i> | Bogs at W |
| Soft-leaved Sedge | <i>Carex montana</i> | B etc. |
| Common Sedge | <i>Carex nigra</i> | Widespread |
| Pale Sedge | <i>Carex pallescens</i> | Wigry |
| Carnation Sedge | <i>Carex panicea</i> | Local at B, Bb and W |
| Greater Tussock Sedge | <i>Carex paniculata</i> | W etc. |
| Hop Sedge | <i>Carex pseudocyperus</i> | Wigry |
| Remote Sedge | <i>Carex remota</i> | Strict reserve at B |
| Greater Pond Sedge | <i>Carex riparia</i> | Bb |
| Bottle Sedge | <i>Carex rostrata</i> | Widespread in bogs |
| Small-fruited Yellow Sedge | <i>Carex serotina</i> | Possibly this species at Gornianske Laki |
| Spiked Sedge | <i>Carex spicata</i> | W |
| Wood Sedge | <i>Carex sylvatica</i> | B strict reserve |
| Bladder Sedge | <i>Carex vesicaria</i> | Topilo |
| True Fox Sedge | <i>Carex vulpina</i> | B and probably elsewhere |
| Common Spike-rush | <i>Eleocharis palustris</i> | Locally common |
| Common Cotton-grass | <i>Eriophorum angustifolium</i> | Bogs at B, Bb and W |
| Hare's-tail Cotton-grass | <i>Eriophorum vaginatum</i> | Bogs at B, Bb and W |
| Bulrush | <i>Schoenoplectus lacustris</i> | Topilo and W |
| Wood Club-rush | <i>Scirpus sylvaticus</i> | Widespread |

Orchidaceae

| | | |
|---------------------------|--------------------------------|---|
| Common Spotted Orchid | <i>Dactylorhiza fuchsii</i> | 1 at Kosy Most |
| Early Marsh Orchid | <i>Dactylorhiza incarnata</i> | Scattered records at B, Bb and W |
| Heath Spotted Orchid | <i>Dactylorhiza maculata</i> | Meadows at B and Bb |
| Broad-leaved Marsh Orchid | <i>Dactylorhiza majalis</i> | Meadows at B, outside strict reserve |
| Yellow Early Marsh Orchid | <i>Dactylorhiza ochroleuca</i> | Probably this species, 3 at Bb and 1 in Rospuda valley |
| Broad-leaved Helleborine | <i>Epipactis helleborine</i> | In leaf at Red Marsh at Bb |
| Lesser Butterfly Orchid | <i>Platanthera bifolia</i> | Bb |
| Bird's-nest Orchid | <i>Neottia nidus-avis</i> | Very locally common in woods |

Systematic List Number 2

Mammals

| | | |
|------------------|--------------------------------|---|
| Common Shrew | <i>Sorex araneus</i> | 2 at Bialowieza, dead individuals elsewhere |
| Water Shrew | <i>Neomys fodiens</i> | 1 at Bialowieza |
| Mole | <i>Talpa europaea</i> | 1 alive on the road in Biebrza. Hills noted at many sites. |
| Western Hedgehog | <i>Erinaceus europaeus</i> | 2 at Bialowieza, otherwise several road casualties |
| Bat species | | Many bats seen but not identified |
| European Otter | <i>Lutra lutra</i> | Signs at Bialowieza |
| Badger | <i>Meles meles</i> | Signs of feeding in Biebrza |
| Wolf | <i>Canis lupus</i> | Many signs in Red Marsh, Biebrza |
| Fox | <i>Vulpes vulpes</i> | A total of 3 sightings Bialowieza |
| Mouse sp. | | |
| Red Squirrel | <i>Sciurus vulgaris</i> | A total of 8 sightings |
| European Beaver | <i>Castor fiber</i> | At least 2 seen superbly well at Biebrza. Widespread sign (lodges and cut branches) in Wigry, Bialowieza, and Biebrza. |
| Bank Vole | <i>Clethrionomys glareolus</i> | 3 in Bialowieza |
| Brown Hare | <i>Lepus europaeus</i> | A total of 3 sightings |
| Wild Boar | <i>Sus scrofa</i> | Widespread sign in Białowieża particularly. |
| Elk | <i>Alces alces</i> | A total of 8 in Biebrza |
| Roe Deer | <i>Capreolus capreolus</i> | Scattered records |
| Red Deer | <i>Cervus elaphus</i> | 2 at Bialowieza |

Systematic List Number 3

Birds

| | | |
|----------------------|-------------------------------|---|
| Little Grebe | <i>Tachybaptus ruficollis</i> | 1 at Dojlidy fish ponds near Białystok |
| Great Crested Grebe | <i>Podiceps cristatus</i> | Locally common on water bodies |
| Red-necked Grebe | <i>Podiceps grisegena</i> | 1 in breeding plumage at Białystok |
| Great Cormorant | <i>Phalacrocorax carbo</i> | Scattered records |
| Bittern | <i>Botaurus stellaris</i> | Heard at Dojlidy, Siemianówka, and Wigry. 1 seen at Dojlidy. |
| Great White Egret | <i>Egretta alba</i> | Several noted at Siemianówka and Dojlidy |
| Grey Heron | <i>Ardea cinerea</i> | Widespread in small numbers |
| White Stork | <i>Ciconia ciconia</i> | Nests visible in virtually all rural habitation, most in use, and birds seen in many localities |
| Black Stork | <i>Ciconia nigra</i> | 6 at Biebrza and 1 at Kosy Most |
| Mute Swan | <i>Cygnus olor</i> | Widespread and reasonably common |
| Whooper's Swan | <i>Cygnus cygnus</i> | Wigry |
| Greylag Goose | <i>Anser anser</i> | Scattered records |
| Gadwall | <i>Anas strepera</i> | A few at Siemianowka |
| Mallard | <i>Anas platyrhynchos</i> | Widespread |
| Garganey | <i>Anas querquedula</i> | A pair at Bialowieza |
| Pochard | <i>Aythya ferina</i> | Small numbers at Dojlidy and Siemianovka |
| Tufted Duck | <i>Anas fuligula</i> | Small numbers at Dojlidy and Siemianovka |
| Goldeneye | <i>Bucephala clangula</i> | Bialowieza and Wigry National Park |
| Goosander | <i>Mergus merganser</i> | With young at Wigry |
| Honey Buzzard | <i>Pernis apivorus</i> | On 2 days at Bialowieza |
| White-tailed Eagle | <i>Haliaeetus albicilla</i> | One over Siemianovka |
| Marsh Harrier | <i>Circus aeruginosus</i> | Widespread and quite common in suitable habitat |
| Montagu's Harrier | <i>Circus pygargus</i> | A few in Biebrza |
| Sparrowhawk | <i>Accipiter nisus</i> | 1 at Biebrza |
| Common Buzzard | <i>Buteo buteo</i> | Widespread in small numbers |
| Lesser Spotted Eagle | <i>Aquila pomarina</i> | Bialowieza and Biebrza, seen on 4 days |
| Spotted Eagle | <i>Aquila clanga</i> | 1 at Bialowieza, possibly Biebrza too |
| Quail | <i>Coturnix coturnix</i> | Heard occasionally |
| Corncrake | <i>Crex crex</i> | Heard regularly at Bialowieza |
| Coot | <i>Fulica atra</i> | Common at Siemianówka and Dojlidy fish-ponds |
| Common Crane | <i>Grus grus</i> | Small numbers at various sites, mostly in Biebrza |
| Lapwing | <i>Vanellus vanellus</i> | On two days at Biebrza, maximum of c.50 |
| Common Snipe | <i>Gallinago gallinago</i> | Bialowieza and Biebrza |
| Woodcock | <i>Scolopax rusticola</i> | 3 at Bialowieza |
| Black-tailed Godwit | <i>Limosa limosa</i> | In breeding plumage at Biebrza |
| Curlew | <i>Numenius arquata</i> | Biebrza |
| Common Redshank | <i>Tringa totanus</i> | Heard at Siemianovka |
| Green Sandpiper | <i>Tringa ochropus</i> | Scattered records, nesting in forests |
| Black-headed Gull | <i>Larus ridibundus</i> | Widespread and common |
| Yellow-legged Gull | <i>Larus michahellis</i> | Siemianovka |
| Common Tern | <i>Sterna hirundo</i> | Siemianovka and Wigry |
| Whiskered Tern | <i>Chlidonias hybridus</i> | Numerous at Siemianowka and a few at Biebrza and Dojlidy |

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|---------------------------|--------------------------------|---|
| Black Tern | <i>Chlidonias niger</i> | A few at Siemianowka |
| White-winged Tern | <i>Chlidonias leucopterus</i> | Locally abundant over wetlands |
| Feral Pigeon | <i>Columba livia</i> | Widespread in towns |
| Woodpigeon | <i>Columba palumbus</i> | Scattered records |
| Collared Dove | <i>Streptopelia decaocto</i> | Widespread and common near human habitation |
| Turtle Dove | <i>Streptopelia turtur</i> | Heard at Biebrza |
| Cuckoo | <i>Cuculus canorus</i> | Heard daily, sometimes seen |
| Pygmy Owl | <i>Glaucidium passerinum</i> | 1 at Bialowieza |
| Tengmalm's Owl | <i>Aegolius funereus</i> | 1 in nest hole at Bialowieza |
| Common Swift | <i>Apus apus</i> | Widespread and locally common |
| Common Kingfisher | <i>Alcedo atthis</i> | 1 at Bialowieza |
| European Bee-eater | <i>Merops apiaster</i> | A colony near Tykocin |
| Hoopoe | <i>Upupa epops</i> | Only 2 seen |
| Wryneck | <i>Jynx torquilla</i> | 1 at Siemianowka |
| Grey-headed Woodpecker | <i>Picus canus</i> | 1 at Bialowieza |
| Green Woodpecker | <i>Picus viridis</i> | 1 at Siemianowka |
| Black Woodpecker | <i>Dryocopus martius</i> | 2 at Białowieza |
| Great Spotted Woodpecker | <i>Dendrocopos major</i> | Widespread and common in general, particularly in Białowieza. Seen most days. |
| Middle Spotted Woodpecker | <i>Dendrocopos medius</i> | 2 in strict reserve at Bialowieza |
| White-backed Woodpecker | <i>Dendrocopos leucotus</i> | 1 at Bialowieza |
| Lesser Spotted Woodpecker | <i>Dendrocopos minor</i> | A pair with nest in Bialowieza strict reserve |
| Three-toed Woodpecker | <i>Picoides tridactylus</i> | A pair with nest in Bialowieza strict reserve |
| Woodlark | <i>Lullula arborea</i> | A few at Biebrza |
| Sskylark | <i>Alauda arvensis</i> | Widespread and rather common |
| Swallow | <i>Hirundo rustica</i> | Widespread and very common |
| House Martin | <i>Delichon urbica</i> | Widespread and reasonably common |
| Sand Martin | <i>Riparia riparia</i> | Two colonies seen |
| Tree Pipit | <i>Anthus trivialis</i> | Scattered records |
| Meadow Pipit | <i>Anthus pratensis</i> | Scattered records |
| Yellow Wagtail | <i>Motacilla flava</i> | Reasonably common at Biebrza, also Siemianowka |
| Citrine Wagtail | <i>Motacilla citreola</i> | 2 males and a female at Siemianowka |
| White Wagtail | <i>Motacilla alba</i> | Widespread and reasonably common |
| Wren | <i>Troglodytes troglodytes</i> | Scattered records |
| Dunnoek | <i>Prunella modularis</i> | Only in Bialowieza |
| Robin | <i>Erithacus rubecula</i> | Widespread and fairly common |
| Thrush Nightingale | <i>Luscinia luscinia</i> | Widespread and rather common, mostly heard |
| Bluethroat | <i>Luscinia svecica</i> | Singles at Bialowieza and Djolidy, heard at Biebrza |
| Black Redstart | <i>Phoenicurus ochrurus</i> | Local around habitation |
| Redstart | <i>Phoenicurus phoenicurus</i> | Heard at Wigry |
| Whinchat | <i>Saxicola rubetra</i> | Widespread and locally common |
| Blackbird | <i>Turdus merula</i> | Widespread and common |
| Fieldfare | <i>Turdus pilaris</i> | Scattered records |
| Song Thrush | <i>Turdus philomelos</i> | Scattered records |
| Mistle Thrush | <i>Turdus viscivorus</i> | Widespread in small numbers |
| River Warbler | <i>Locustella fluviatilis</i> | Local at Bialowieza and Biebrza |
| Savi's Warbler | <i>Locustella luscinioides</i> | Heard occasionally, seen at Tykocin |
| Aquatic Warbler | <i>Acrocephalus paludicola</i> | Seen well at Biebrza |

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| Reed Warbler | <i>Acrocephalus scirpaceus</i> | Scattered in suitable habitat |
| Great Reed Warbler | <i>Acrocephalus arundinaceus</i> | Common in wetlands, mostly heard |
| Sedge Warbler | <i>Acrocephalus schoenobaenus</i> | Common in suitable habitat |
| Marsh Warbler | <i>Acrocephalus palustris</i> | Widespread in rank vegetation |
| Icterine Warbler | <i>Hippolais icterina</i> | Widespread in small numbers |
| Barred Warbler | <i>Sylvia nisoria</i> | Białowieża and Biebrza |
| Lesser Whitethroat | <i>Sylvia curruca</i> | Tykocin |
| Common Whitethroat | <i>Sylvia communis</i> | Widespread in small numbers |
| Garden Warbler | <i>Sylvia borin</i> | Heard only |
| Blackcap | <i>Sylvia atricapilla</i> | Scattered records |
| Chiffchaff | <i>Phylloscopus collybita</i> | Common and widespread |
| Willow Warbler | <i>Phylloscopus trochilus</i> | Scattered records |
| Wood Warbler | <i>Phylloscopus sibilatrix</i> | Rather common and widespread |
| Goldcrest | <i>Regulus regulus</i> | Heard only, in Białowieża |
| Firecrest | <i>Regulus ignicapillus</i> | Białowieża |
| Spotted Flycatcher | <i>Muscicapa striata</i> | Widespread in small numbers |
| Collared Flycatcher | <i>Ficedula albicollis</i> | A few at Białowieża |
| Pied Flycatcher | <i>Ficedula hypoleuca</i> | Heard at Biebrza |
| Red-breasted Flycatcher | <i>Ficedula parva</i> | Singles at Białowieża and Biebrza |
| Bearded Tit | <i>Panurus biarmicus</i> | 3 at Biebrza |
| Long-tailed Tit | <i>Aegithalos caudatus</i> | A few at Białowieża |
| Marsh Tit | <i>Parus palustris</i> | Scattered records |
| Willow Tit | <i>Parus montanus</i> | Scattered records |
| Crested Tit | <i>Parus cristatus</i> | Wigry |
| Coal Tit | <i>Parus ater</i> | Scattered records |
| Blue Tit | <i>Parus caeruleus</i> | Widespread |
| Great Tit | <i>Parus major</i> | Widespread and common |
| Nuthatch | <i>Sitta europaea</i> | Several in Białowieża |
| Common Treecreeper | <i>Certhia familiaris</i> | A few in Białowieża |
| Golden Oriole | <i>Oriolus oriolus</i> | Heard often, rarely seen |
| Penduline Tit | <i>Remiz pendulinus</i> | Seen well at Dojlidy fish-ponds, where nesting, also Siemianovka |
| Great Grey Shrike | <i>Lanius excubitor</i> | A few at Biebrza |
| Red-backed Shrike | <i>Lanius collurio</i> | Widespread and rather common |
| Jay | <i>Garrulus glandarius</i> | Widespread and reasonably common |
| Magpie | <i>Pica pica</i> | Widespread around habitation including urban areas |
| Nutcracker | <i>Nucifraga caryocatactes</i> | Heard at Białowieża |
| Jackdaw | <i>Corvus monedula</i> | Widespread around habitation and very common in urban areas |
| Rook | <i>Corvus frugilegus</i> | Associated with Jackdaw, being widespread around habitation and very common in urban areas |
| Hooded Crow | <i>Corvus corone cornix</i> | Widespread and fairly common |
| Raven | <i>Corvus corax</i> | Widespread and fairly common |
| Starling | <i>Sturnus vulgaris</i> | Widespread and very common especially near habitation |
| House Sparrow | <i>Passer domesticus</i> | Widespread and common |
| Tree Sparrow | <i>Passer montanus</i> | Daily in Biebrza |

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|------------------|--------------------------------------|--|
| Chaffinch | <i>Fringilla coelebs</i> | Widespread and common |
| Serín | <i>Serinus serinus</i> | A few at Białowieża |
| Greenfinch | <i>Carduelis chloris</i> | Scattered records |
| Goldfinch | <i>Carduelis carduelis</i> | Scattered records |
| Linnet | <i>Carduelis cannabina</i> | Widespread and reasonably common |
| Common Rosefinch | <i>Carpodacus erythrinus</i> | Widespread in small numbers |
| Hawfinch | <i>Coccothraustes coccothraustes</i> | Widespread in small numbers, more numerous in 2007 |
| Yellowhammer | <i>Emberiza citrinella</i> | Widespread and common |
| Ortolan Bunting | <i>Emberiza hortulana</i> | Biebrza, and heard elsewhere |
| Reed Bunting | <i>Emberiza schoeniclus</i> | Local in suitable habitat |

Systematic List Number 4

Amphibians & Reptiles

The taxonomy and systematic order follow 'A Field Guide to the Reptiles and Amphibians of Britain and Europe' by E.Nicholas Arnold, Collins 2nd edition 2002.

| | | |
|-------------------|--------------------------------|---|
| Fire-bellied Toad | <i>Bombina bombina</i> | Siemianowka, 1 caught, others heard, and heard at Dojlidy |
| Common Toad | <i>Bufo bufo</i> | Wigry |
| Common Tree Frog | <i>Hyla arborea</i> | 1 at Dojlidy, heard at Bialowieza |
| Common Frog | <i>Rana temporaria</i> | Common and widespread |
| Moor Frog | <i>Rana arvalis</i> | Biebrza and Siemianovka |
| Pool Frog | <i>Rana lessonae</i> | Siemianovka |
| Pool/Edible Frog | <i>Rana lessonae/esculenta</i> | One of these species at Kosy Most and Wigry |
| Marsh Frog | <i>Rana ridibunda</i> | Bialystok etc. |
| Common Lizard | <i>Lacerta vivipara</i> | Scattered records |
| Sand Lizard | <i>Lacerta agilis</i> | Red Marsh at Biebrza |
| Slow Worm | <i>Anguis fragilis</i> | One at Kosy Most |
| Grass Snake | <i>Natrix natrix</i> | A few at Topilo and Biebrza |
| Adder | <i>Vipera berus</i> | One dead at Biebrza |

Systematic List Number 5

Butterflies

Species seen on the 2007 reconnaissance but not this year are put in square brackets. Species not seen in 2007, but seen this year are annotated 2008.

| | | |
|---------------------------|-------------------------------|---|
| Swallowtail | <i>Papilio machaon</i> | Widespread in small numbers, especially at Biebrza |
| [Black-veined White | <i>Aporia crataegi</i> | 1 at Biebrza, 2007] |
| Large White | <i>Pieris brassicae</i> | Only 2 seen |
| [Small White | <i>Artogetia rapae</i> | Recorded at Bialowieza, 2007] |
| Green-veined White | <i>Artogetia napi</i> | Widespread and not uncommon |
| Orange-tip | <i>Anthocharis cardamines</i> | A few at Bialowieza |
| Pale Clouded Yellow | <i>Colias hyale</i> | Biebrza |
| Brimstone | <i>Gonepteryx rhamni</i> | A few at Bialowieza and Biebrza |
| Wood White | <i>Leptidea sinapis</i> | Scattered records |
| Green Hairstreak | <i>Callophrys rubi</i> | Scattered records 2008 |
| Small Copper | <i>Lycaena phlaeas</i> | 1 at Bialowieza |
| Large Copper | <i>Lycaena dispar</i> | Males at Dojlidy and Wigry, 2008 |
| [Purple-shot Copper | <i>Lycaena alciphron</i> | A pair at Biebrza, and a female at Wigry, 2007] |
| Sooty Copper | <i>Lycaena tityrus</i> | A few at Bialowieza 2008 |
| Holly Blue | <i>Celastrina argiolus</i> | A few records |
| Brown Argus | <i>Aricia agestis</i> | 1 near Tykocin 2008 |
| Mazarine Blue | <i>Cyaniris semiargus</i> | 1 near Tykocin 2008 |
| Chapman's Blue | <i>Agrodiaetus thersites</i> | Biebrza 2008 |
| Adonis Blue | <i>Lysandra bellargus</i> | A male at Biebrza 2008 |
| Common Blue | <i>Polyommatus icarus</i> | Scattered records, very scarce |
| [Large Tortoiseshell | <i>Nymphalis polychloros</i> | 1 at Bialowieza, 2007] |
| Camberwell Beauty | <i>Nymphalis antiopa</i> | A total of 4 seen, 2008 |
| Peacock | <i>Inachis io</i> | Scattered records |
| Red Admiral | <i>Vanessa atalanta</i> | A few in Białowieza and at Biebrza |
| [Painted Lady | <i>Vanessa cardui</i> | Scattered records, 2007] |
| [Small Tortoiseshell | <i>Aglais urticae</i> | Only at Biebrza 2007] |
| Comma | <i>Polygonum c-album</i> | 5 at Bialowieza |
| Map | <i>Araschnia levana</i> | The spring brood was the commonest butterfly at Bialowieza, also 2 at Wigry |
| Pearl-bordered Fritillary | <i>Clossiana euphrosyne</i> | Widespread in small numbers |
| Glanville Fritillary | <i>Melitaea cinxia</i> | 1 at Wigry 2008 |
| False Heath Fritillary | <i>Melitaea diamina</i> | 1 at Biebrza 2008 |
| Heath Fritillary | <i>Melitaea athalia</i> | 1+ at Biebrza 2008 |
| [Scarce Fritillary | <i>Hypodryas maturna</i> | 1 at Bialowieza 2007] |
| Baltic Grayling | <i>Oeneis jutta</i> | 10+ at Wigry, at the only Polish site for the species, 2008 |
| Small Heath | <i>Coenonympha pamphilus</i> | Widespread and locally common |
| Large Heath | <i>Coenonympha tullia</i> | Bogs at Biebrza |
| Scarce Heath | <i>Coenonympha hero</i> | 3 in the Red Marsh at Biebrza 2008 |
| Speckled Wood | <i>Pararge aegeria</i> | Scattered records 2008 |
| Grizzled Skipper | <i>Pyrgus malvae</i> | A total of 3 |

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| Chequered Skipper | <i>Carterocephalus palaemon</i> | Scattered records, seen on 5 days, 2008 |
| Northern Chequered Skipper | <i>Carterocephalus silvicolus</i> | Females at Bialowieza and Biebrza, and several of both sexes at Wigry. Surely here at the extreme southern limit of its range. |
| Small Skipper | <i>Thymelicus sylvestris</i> | Biebrza 2008 |
| Large Skipper | <i>Ochlodes venatus</i> | Biebrza |

Systematic List Number 6

Odonata

| | | |
|--------------------------|---------------------------------|-------------------------------------|
| Banded Demoiselle | <i>Calopteryx splendens</i> | Widespread but local |
| Beautiful Demoiselle | <i>Calopteryx virgo</i> | Widespread and very common |
| White-legged Damselfly | <i>Platycnemis pennipes</i> | Widespread, Biebrza and Wigry |
| Large Red Damselfly | <i>Pyrrhosoma nymphula</i> | Siemianowka, Bialowieza and Rospuda |
| Red-eyed Damselfly | <i>Erythromma najas</i> | Bialystok and Topilo |
| Azure Damselfly | <i>Coenagrion puella</i> | Widespread and common |
| Variable Damselfly | <i>Coenagrion pulchellum</i> | Widespread and common |
| Common Blue Damselfly | <i>Enallagma cyathigerum</i> | Bialystok |
| Blue-tailed Damselfly | <i>Ischnura elegans</i> | Biebrza and Wigry |
| Migrant Hawker | <i>Aeschna mixta</i> | 1 at Bialowieza, several at Dojlidy |
| Southern Migrant Hawker | <i>Aeschna affinis</i> | Noted on 1 day, Bialowieza |
| Brown Hawker | <i>Aeschna grandis</i> | Near Hajnowka |
| Norfolk Hawker | <i>Aeschna isoceles</i> | Several at Bialystok and Wigry |
| Lesser Emperor | <i>Anax parthenope</i> | 2 at Wigry |
| Yellow-legged Clubtail | <i>Gomphus flavipes</i> | Scattered records |
| Common Clubtail | <i>Gomphus vulgatissimus</i> | Biebrza and Wigry |
| Downy Emerald | <i>Cordulia aenea</i> | Biebrza and Siemianovka |
| Brilliant Emerald | <i>Somatochlora metallica</i> | A few at Topilo |
| Northern Emerald | <i>Somatochlora arctica</i> | Wigry |
| Two-spotted Dragonfly | <i>Epithea bimaculata</i> | Wigry |
| Four-spotted Chaser | <i>Libellula quadrimaculata</i> | Locally common |
| Blue Chaser | <i>Libellula fulva</i> | Siemianovka, Biebrza and Wigry |
| Broad-bodied Chaser | <i>Libellula depressa</i> | Scattered records |
| Black-tailed Skimmer | <i>Orthetrum cancellatum</i> | Topilo, Dojlidy, and Wigry |
| Black Darter | <i>Sympetrum danae</i> | Bialystok |
| Ruddy Darter | <i>Sympetrum sanguineum</i> | Scattered records |
| Small Whiteface | <i>Leucorrhinia dubia</i> | Biebrza |
| Ruby Whiteface | <i>Leucorrhinia rubicunda</i> | Biebrza |
| Yellow-spotted Whiteface | <i>Leucorrhinia pectoralis</i> | Siemianovka, Dojlidy, and Wigry |
| Dark Whiteface | <i>Leucorrhinia albifrons</i> | Topilo |