

Gotland 2024

Wildlife at Leisure

A Trip Report

Lead by Ian Bennallick and Fiona Dunbar

Daily Report by Fiona Dunbar, species lists by Ian Bennallick

Day 0 Monday 3rd June Arrival at Tofta Strand

The various contingents met at Stockholm for the flight to Visby and despite a few hiccups we and our luggage all arrived safely. The half hour drive was enough for us to see that despite recent dry weather the verges and fields were looking very flowery, with drifts of Dropwort (*Filipendula vulgaris*) and Viper's-bugloss (*Echium vulgare*), Columbine (*Aquilegia vulgaris*) and Bloody Crane's-bill (*Geranium sanguineum*) catching the eye. At the hotel we were greeted and taken to our rooms before sitting down to an excellent late supper of salads, roast beef and Swedish-style potato salad with the sun setting over the sea beyond dunes dotted with Small Pasqueflower (*Pulsatilla pratensis*) seed heads, and Scots Pine trees (*Pinus sylvestris*). The sandy ground around the cabins is dotted with Dark-red Helleborines (*Epipactis atrorubens*) in bud and Nottingham Catchfly (*Silene nutans*).

Day 1 Tuesday 4th June Gannarve ship setting – Närsholmen Lighthouse – Gålrum ship setting – Mullvalds Ånge

After an excellent buffet breakfast, we were on our way South. The sharp-eyed Claire and Marcia spotted Cranes and Shelduck as we drove along the beautiful coast road past reed beds, villages and fields of wheat and rye scattered with Field Poppies (*Papaver rhoeas*). Patches of flowers that looked like tallish red clover were identified as superb displays of Field Cow-wheat (*Melampyrum arvense*) when we got closer to them at the first stop – the stunning late Bronze Age boat setting at Gannarve. Dating back between 1100 - 500 BC, it is 29m long and 5m wide. This would have been the grave of someone of very high status and has the most wonderful view out to the twin islands of Lille and Stora Karlsö. This one had been ploughed at some point in history, but excavations found the rounded holes where the stones had originally sat and the boulders were painstakingly replaced. Around it the short flowery turf was dotted with big patches of Common Rock-rose (*Helianthemum nummularium*), Nottingham Catchfly (*Silene nutans*), silvery-furred seed heads of Small Pasqueflower (*Pulsatilla pratensis*) and intense purple and blue forms of Alkanet (*Anchusa officinalis*). Biting Stonecrop (*Sedum acre*) added splashes of bright yellow and Spotted Cat's-ear (*Hypochaeris maculata*) lemon yellow. By the car were Gooseberry (*Ribes uva-crispa*), Dewberry (*Rubus caesius*), Wild Asparagus (*Asparagus officinalis*) and the edible Sand Leek (*Allium scorodoprasum*), nearly in flower and used locally for soups.

A verge dominated by Columbine ranging in colour from pale pink to reddish to almost black, demanded a quick stop. Field Mouse-ear (*Cerastium arvense*) and Field Scabious (*Knautia arvensis*) were noted here also. A Red Kite was seen hunting – we had not seen this on Gotland before the trip in 2023.

Our next lovely stop was the peninsula of Närsholmen. A blue sky and the lightest breath of wind greeted us as we parked under pine trees and looked out over the limestone rocks edging a blue sea. Swans and Ducks and nesting seagulls rested on the rocks and water. The extensive, unfenced grassy pasturelands have a converging pattern of shingle ridges caused by wave refraction when the island, on which the lighthouse now stands, was lifted further out of the sea several hundred years ago by isostatic rise (i.e. the land rising after the weight of melting ice fields is lifted). Drifts of Small Pasqueflower seed heads grow on the tops of the ridges, emphasising them nicely. Wild Strawberry (*Fragaria vesca*) bloomed as well as Twayblade (*Neottia ovata*) and Barberry (*Berberis vulgaris*). There were numerous Common Blue and Small Copper butterflies. There were many flowering legumes including Common Bird's-foot-trefoil (*Lotus corniculatus*), Lesser Trefoil (*Trifolium dubium*) Black Medick (*Medicago lupulina*) and clumps of the rare silvery Yellow Milk-vetch (*Oxytropis campestris*). We had (though I say it myself) a superb picnic spread on the table in the shade of the Scots Pines; the pickled fish and rum and marzipan 'cakes' were particularly popular. After lunch most of the group strolled the few hundred yards to the very attractive light house, some got a lift in the vans as we moved them over there. White Wagtails were nesting in the wall, and allowed lovely photographs with a beak full of grubs in front of the red and white tower. Our first Sticky Catchfly (*Lychnis viscaria*) were seen, and spreading mats of Breckland Thyme (*Thymus serpyllum*). Looking out to sea were a few Eider, Tufted Duck and Shelduck.

A roadside stop not very far away was for a stand of Military Orchids (*Orchis militaris*) on the verges. In the field next to them were 50 - 100 Green-winged Orchids (*Anacamptis morio*), Meadow Saxifrage (*Saxifraga granulata*) and some delicate Fairy Flax (*Linum catharticum*).

A sunlit swathe of Sticky Catchfly (*Lychnis viscaria*) drew us in to Gålrum, a second superb archaeological site for the day, where we also found Maiden Pink (*Dianthus deltoides*) amongst the numerous late Bronze Age boat settings and early Bronze Age cairns. A Viking standing stone, which would once have been carved with the deeds of the honoured dead, stands amongst the scattered trees.

Our final stop was in the dappled shade of Mullvalds Ånge (Ånge means meadow). This is cut in the traditional way by hand at the end of July when the fruiting Yellow-rattle rattles. It has been cut in the same way for 2000 years, maintaining an amazing variety of species. Amongst a wonderful mixture of grasses flowered Lesser Butterfly-orchid (*Platanthera bifolia*), Frog Orchid (*Coeloglossum viride*), many, many Twayblades (*Neottia ovata*), Fragrant-orchid (*Gymnadenia conopsea*), Herb-paris (*Paris quadrifolia*) and Cowslip (*Primula veris*), (the latter 2 largely over this year), Meadow Saxifrage, Meadowsweet (*Filipendula ulmaria*) and Water Avens (*Geum rivale*) to name but a few.

Heading home, we had to have one brief, extra stop for a field with an extraordinary density of Field Poppies – a sea of red.

Plant lists were on the patio before an excellent salmon supper.

Tim went for a quick walk through the dunes after supper and found Red Helleborine (*Cephalanthera rubra*) and Bird's-nest Orchid (*Neottia nidus-avis*) in flower – the hotel is surrounded by fantastic habitat and has a nature reserve next to it.

Day 2 Wednesday 5th June Kallgatburg

Before breakfast I went out into the dunes briefly and found Round-leaved Wintergreen (*Pyrola rotundifolia*) flowering. A flock of Linnets flitted past.

Breakfast was buffet style, with lots of cheese and meat and pickled fish and drinking yoghurt in addition to cereal, fruit, pancakes bacon and eggs etc. Very nice...

Out in the vehicles and our day began with a stop at the supermarket to top up on packed lunch and whatever bits and bobs the group needed. Or just seeing what's in a Swedish supermarket! (plus toilets and free maps!)

A scenic drive took us to Kallgatburg. The limestone was often close to the surface and wild flowers such as Swallow-wort (*Vincetoxicum hirundinaria*), Angular Solomon's-seal (*Polygonatum odoratum*), Lily-of-the-Valley (*Convallaria majalis*) and Ramsons (*Allium ursinum*). The mixed woodland was of Scots Pine, Hawthorn, Birch, Rowan, Whitebeam and Yew. Tim spotted St George's Mushrooms in various locations. Pink swathes of Chives (*Allium schoenoprasum*) featured in the open meadows. Here too were Narrow-leaved or a Marsh-orchid (*Dactylorhiza majalis* subsp. *lapponica*), Alpine Butterwort (*Pinguicula alpina*), Bird's-eye Primrose (*Primula farinosa*) and Dragon's-teeth (*Lotus maritimus*), Brooklime (*Veronica beccabunga*), Dark-red Helleborine (*Epipactis atrorubens*), Mountain Everlasting (*Antennaria dioica*). Particularly nice was a flowering group of Yellow Wintergreen (*Pyrola chlorantha*). Caraway (*Carum carvi*) was in flower, and over the first stile was a swathe of Cotton Grass (*Eriophorum latifolium*). Grasses and sedges here are worth mentioning with Blue Moor-grass (*Sesleria caerulea*), Mountain Melick (*Melica nutans*), Common Quaking-grass (*Briza media*), Brown and Black Bog-rush (*Schoenus ferrugineus* and *S. nigricans*) all seen. Calls of Tree Pipits and Yellowhammer resonated from the trees. A few steps on and we were on a board walk with hundreds of Lesser Butterfly-orchids (*Platanthera bifolia*), German Asphodel (*Tofieldia calyculata*) and Fragrant-orchids. Next were Fly Orchids (*Ophrys insectifera*) and various of the Early Marsh-orchid (*Dactylorhiza incarnata*) subspecies- dark purple *cruenta*, and salmon-pink *pulchella*. Marcia spotted the first Common Lizard on the boardwalk. The breeze and a little cloud kept us reasonably cool. In the woodland, Small Pearl-bordered Fritillaries settled obligingly, other butterflies included Black-veined white and Small Heath. Tim spotted Fen Violet (*Viola stagnina*). We reached the extensive colony of Lady's Slipper Orchids (*Cypripedium calceolus*) but the very hot May meant that they were largely over. However, we saw some very nice fresh Bird's-nest Orchids before turning back. Along the way we crossed paths with a number of very pleasant and friendly Scandinavian naturalists which added to the morning. Back at the start of the track, Heather showed me where the picnic tables were hidden, and it was a team effort to put out today's sumptuous spread. Marcia spotted a lovely **Bog Fritillary** on Bloody Cranesbill right next to me while I was photographing an Amanda's Blue!

After a very good feed we moved on, one car putting up a hare at the edge of the woodland. At a particular junction, a search found some fine Common Spotted-orchids (*Dactylorhiza fuchsii*) but the Alpine Orchid (*Orchis spitzelii*) Ian found was well in fruit, the dry May influencing things again.

Onto the coast at Botvaldevik, where along a woodland track by the sea we found Sword-leaved Helleborine (*Cephalanthera longifolia*). In wetter areas were Bird's-eye Primrose (*Primula farinosa*) in good flower, and a very rare white form of *Dactylorhiza incarnata* subsp. *incarnata* amongst subspecies *cruenta* and *pulchella*. I found a lovely hybrid between the two, Rosemary thought, near some gorgeous Marsh Pea (*Lathyrus palustris*) flowers. Further along the track were numerous flowering Bird's-nest Orchids and Sword-leaved Helleborines, and then a few flowering Red Helleborine. Usually the Sword-leaved Helleborine are over before the Red Helleborine are flowering, but this year Red were in flower too – and then Ian found a perfect example of their hybrid which Rosemary was overjoyed to see! Nigel displayed tremendous devotion by going all the way back to the van for the tripod to take the perfect photo of the perfect hybrid. Mute Swans and Shelduck were amongst the birds on the rocks by the sea, Marcia seeing a Ringed Plover, and meadows were full of Dragon's-teeth and a few pale Pyramidal Orchids (*Anacamptis pyramidalis*).

Time to head home. Our car stopped to admire a pair of Cranes, and we admired enroute a number of Gothic churches.

After a cheerful supper, Ian took some of the group on an evening stroll amongst the sand dunes. Hundreds of Round-leaved Wintergreen were in perfect flower in the damp sand dune slacks with many Twayblade, and lots of Military and Early Marsh-orchids. Several Common Butterwort (*Pinguicula vulgaris*) were flowering.

Day 3 Thursday 6th June Öja Church and Meadow- Stockviken and Lars Jonsson's gallery

We began our day driving South to the Gothic church and meadows of Öja. These forest meadows are the final remnants of an ancient rural landscape and probably date back to the end of the Iron Age, around 1500 years ago, when the deteriorating climate made it impossible to graze livestock in the open all year round. The meadows were made by the thinning of deciduous forests on the most fertile soils, making it possible to harvest grasses and herbs for winter fodder. The coppiced hazel and other trees provided further fodder. The removal of the harvest each year for hundreds of years reduced fertility and increased plant diversity. Traditionally the flowering of Wood Anemone marks the time for raking out old vegetation, and the ripening of Great Hay-rattle (*Rhinanthus angustifolius*) marked the time for mowing. Under a network of coppiced Hazel and large Oak and Ash are such variety of plants – Sanicle, Meadowsweet, Self-heal, Red Clover, Ox-eye Daisy, Smooth Tare, Soapwort, Lesser Butterfly-orchids, Fairy Flax (*Linum catharticum*), many beautiful species of grass and sedge, every step brought more and different species. Nigel and Rosemary found a white Marsh Fragrant-orchid (*Gymnadenia densiflora*) amongst Fragrant-orchid (*Gymnadenia conopsea*). A second, slightly ranker meadow had good numbers of Common Spotted-orchids (*Dactylorhiza fuchsii*) Common Meadow-rue (*Thalictrum flavum*), and Adder's-tongue (*Ophioglossum vulgatum*). Numerous green grasshoppers were Wart-biters (*Decticus verrucivorus*) so named because Linnaeus was told on his visit to Öja in 1741 that their bite was a cure for warts. We heard Wood Warbler and saw Collared Flycatchers; the latter species is intimately associated with the forest meadows of Gotland and is not found elsewhere in Sweden. A Great Spotted Woodpecker flew back and forth to its nest.

The 13th century church is notable for the original gargoyles on the well-preserved tower, three Gothic portals and the 15th century murals. The murals in the church do lead you to wonder what message the painters were trying to get across, and the Devil features strongly.

Next, a nearby field where two old wooden windmills provided an amazing backdrop to the thousands of orchids – hundreds of Burnt-tip but also Military, Lesser Butterfly, Twayblade, Fragrant, Green-winged and Fly amongst a sward of quaking grass and sedges. Hoary Cinquefoil (*Potentilla argentea*) had silvery leaves, and I was very taken with the Spiked Speedwell (*Veronica spicata*).

Lunch was at Vamblingbo, where the group looked round the 14th century Gothic Church whilst Ian and I laid out the picnic spread. Medieval paintings depict the holy Roman Emperor being 'weighed in the balance'. At 75m it has the tallest tower on Gotland and was heavily damaged by a lightning strike in 1817. Afterwards we looked round the superb gallery of Lars Jonsson, the man himself being in evidence in the kitchen and the wife on the till. There was a very good selection of wildlife guides on sale.

Photo stops for a particularly fine windmill and a Saw-sedge thatch-roofed house (not a 'Sausage' roofed house which is what Ian sounded like saying!) lead us to Stockviken where a hide gives a fine view over a shallow lake and open coastal meadows. As late as the end of the nineteenth century Stockviken was a sea bay before it was cut off by an 300m long isthmus following isostatic sea rise.

In the meadows between the road and the hide we found Celery-leaved Buttercup (*Ranunculus sceleratus*) the very odd Mousetail (*Myosurus minimus*), Grey Club-rush (*Schoenoplectus tabernaemontani*), Green-winged Orchids, Pink Water-speedwell (*Veronica catenata*), Grass-of-Parnassus (*Parnassia palustris*) and Marsh Arrow-

grass (*Triglochin palustris*). The slightly wobbly hide gave us views of Redshank, Shelduck, Whooper and Mute Swans, numerous Grey Herons as we looked out over the reedbeds and open water. Patches of bright green amongst the reed was Sea Club-rush (*Bolboschoenus maritimus*). Overhead flew hundreds of Swallows and the fields behind was loud with Skylarks. Rosemary found a delightful patch of hundreds of Adder's-tongue ferns, relatively visible and very photographical amongst the short turf. On the return stroll to the cars, we found a gorgeous shimmering gold female Broad-bodied Chaser, another narrow-bodied dragonfly, and a lovely Glanville Fritillary clinging in the breeze to a Military Orchid. Black-veined White was seen also. Ian searched for and found a patch of a beautiful white-flowered Mountain Clover (*Trifolium montanum*) where he had seen it in 2023.

On the return journey I spotted a Red Squirrel running along the top of the stone wall by the road. After a few minutes searching we re-found the adorable youngster and watched him from a few metres away!

Day 4 Friday 7th June Stora Karlsö

A slightly early breakfast and off to the ferry at 8.45. Being out and about a little bit earlier we heard more bird song, notably Siskin and Treecreeper was seen both now and as we gathered for supper.

At the nearby ferry terminal, we counted 20-odd Grey Herons perched on rocks as we waited to board the ferry. The 40-minute journey was soon over, and we disembarked on Stora Karlsö. A few scattered low wooden buildings behind a shingle beach, and a vertical but not very high cliff behind, scattered trees and the sound of surf and birds. On and around the rocks and shallow sea by the small Jetty were Mute Swan, Velvet Scoter, Eider Ducks, Cormorants, Red-breasted Mergansers, Guillemots and Razorbills. An active Arctic Tern Colony was to our left.

After a short break we left on our circuit, guided by one of the rangers. We heard Willow Warbler, Thrush Nightingale and Common Rosefinch, and saw Linnets, Lesser Whitethroat, and a lovely singing Yellowhammer. We were accustomed to flowery turf on this trip and this turf was dominated by the now familiar Common Rock-rose (*Helianthemum nummularia*), Spotted Cat's-ear, Swallow-wort (*Hirundinaria vincetoxicum*) and Common Mallow (*Malva sylvestris*), with a few Common Globularia (*Globularia vulgaris*) and Burnt-tip Orchids. Lilac-flowered Tufted Milkwort (*Polygala comosa*) and Northern Bedstraw (*Gallium boreale*) were noted.

The first hint that we were approaching a seabird colony was the smell of fish. Chuntering Razorbills and Guillemots clustered on ledges below us. Most were 50+ metres away but a few were much closer. The turquoise sea below them was dotted with more individuals. Moving round to the lighthouse (which will be familiar to watchers of scandi noir as a Maria Wern location) we reached a second colony, more Guillemots this time I thought. These were in bright sunshine rather than shadow which was even better.

As we descended the steps back towards the beach, we again heard the song of Thrush Nightingale and Greenish Warbler. On the water were female Eider ducks with a creche of dark chocolatey ducklings, a family of Red-breasted Mergansers and a pair of Goosander.

Back at the café we sat down and enjoyed a well earned meal. There was time to relax or explore the beach before the small ferry arrived to take us back. I found a group of **Common Seals** that had hauled out while we were eating and were sunning themselves on rocks offshore, Heather showed me a pair of amazingly camouflaged Arctic Tern chicks she had spotted. Ian found some impressive plants of Woad (*Isatis tinctoria*) on the quiet beach (= a woad less travelled...) and then it was time to board the ferry. Di and I saw a White-tailed Eagle flying towards the island as we set off!

Back at the harbour Shelduck were on the water, and 20 minutes later we were back at base.

Tim went on a walk before listing and spotted a Grass Snake amongst other things.

Rosemary and Nigel, who stayed around the hotel today, had a fantastic orchid walk along the coast to Gnisvärd, with flowering Red Helleborine, big clumps of Dark-red Helleborine in flower (including one in bud without red pigment), masses and masses of flowering Pyramidal and Military Orchids, the large-leaved variety *latissima* of Early Marsh-orchid, a Common Spotted x Early Marsh-orchid hybrid and huge numbers of Twayblade. Also some Moonwort (*Botrychium lunaria*)!

Day 5 Saturday 8th June Visby and Gnisvärd Fishing Village and Dune Meadows

A later start this morning and into the capital of Gotland, Visby. Visby is a beautiful Hanseatic town, a UNESCO World Heritage Site known for its well-preserved medieval architecture and cobblestone streets, colourful buildings, and historic churches. We started in the superb museum which houses an incredible room of Viking picture stones and the Treasury, a room displaying some of the hoards of treasure found on Gotland. In one hoard alone 96 kg of silver coins bullion and jewellery were found. The group split to explore the rest of the small walled town, some visited the lovely shops and cafes, some took the bus tour, some visited the cathedral. There was a very good selection of wildlife and culture books in the Tourist Information and the Museum.

We set off for the short drive back at 15.30 after ice-creams from a famous ice cream parlour by the harbour. A fun photo stop for a field blue with Viper's-bugloss saw us parking in a scrap yard with vintage cars which was at least as interesting. A second stop was five minutes from the hotel for the little fishing hamlet of Gnisvärd and the orchid-rich dune grasslands next to it. Thousands of pyramidal orchids were a deep pink, mixed with Military Orchids, the dusky purple of Field Cow-wheat and Greater Yellow-rattle. A few hundred metres along we re-found the flowering Dark-red Helleborine which Nigel and Rosemary had described yesterday. On the return to the car they also found tiny, honey-scented Musk Orchids (*Herminium monorchis*) so we will have to call there again! On the sea Goosander chicks and mum were battling the wind, and overhead Arctic Terns were also battling the wind which had got up. Two Shelduck zoomed past looking rather more under control.

Whilst Ian was running through the plant list before supper, there was a secret wedding on the beach outside! Lots of singing and some chilly looking wedding guests. Another cheerful supper at 'our' tables.

Day 6 Sunday 9th June Fårö

We were heading as far north as possible today, to the island of Fårö. After topping up the picnic at the supermarket (Ian also bought a further 10 bars of salted liquorice chocolate to add to the 3kg already bought) we followed the road to Fårösund, remarkably free of traffic as the roads are here. Our vehicle stopped for a pair of Cranes in a march close to the road, the wind being advantageous as it blew their plumy feathers around. At Fårösund we waited a few minutes for the free ferry. There is an outdoor museum with windmills and saw-sedge roofed buildings, and we could see the Fårösund Smokehouse chimney. Having crossed the sound, we stopped to look for the creamy yellow *ochroleuca* subspecies of Early March Orchid near Lauters. This we did not find, but there were some huge *incarnata* subspecies of Early Marsh-orchids including the broad-leaved var. *latissima*, and a white-flowered plant, as well as lots of Twayblades, and Military and Pyramidal Orchids. Our road soon followed the coast with the limestone beach and wave-cut platform and sea on our left. Our first stop was by some small limestone sea stacks, within the nature reserve of Digerhuvud. We looked for the very small endemic sandwort *Arenaria gothica*, and Tim found one in flower. Kate, Heather

and Tim walked further along the beach and Kate got some great photos of Arctic Terns sitting on the shingle. A little further on we stopped again at the beautiful little fishing village of Helgumannen, which consists of 15 tiny wooden huts. This was one of the most important fishing villages in Gotland for Herring, and the group looked round the beach, the village or the pine trees behind while Ian and I put out the picnic on a picnic table. The Swedes always seem to put them in such useful places... Under the pine trees were lovely tufts of flowering Yellow Wintergreen and Dark-red Helleborines. On the shingle were Heath Speedwell (*Veronica officinalis*). Maybe the village is here because of the sheltered position – the wind was non-existent unlike the last stop!

Our third stop was at Langhammers – a series of tall, twisted limestone sea stacks. The stones on the beach and the walls all over Fårö were full of fossil coral and other things. Arctic Terns were nesting nearby on the beach, and perfect flowering mats of Biting Stonecrop were common. Kate and Tim spotted two basking Adders!

The road could take us no further. We turned back, stopping next to the nesting and mating terns close to the track. There were photo stops for windmills of course. A complete change from the remote and windswept beach – Ullahau, a nature reserve where woodland has developed on acid sand dunes. The mossy ground was thick with May Lily and many flowering Twinflower (*Linnaea borealis*), a favourite of Linnaeus.

A very civilised coffee and ice cream stop preceded the return ferry. We passed more Cranes in the fields on the way back to the hotel.

For supper the hotel had put on a Gotlandic meal for us, soup made from Sand Leeks, roast lamb, and saffron pancakes.

Day 7 Monday 10th June Gnisvård Beach and Stone Setting, then the airport and home

Our 12.40 flight to Stockholm gave us a couple of hours before we needed to set off to the airport. I took Tim to find the nice polypore fungus I had found growing on a fallen pine log in the nature reserve next to the hotel (we also found Marsh Fern (*Thelypteris palustris*).

First we went to find Roger and Rosemary's Musk Orchids, right by which were tiny Moonwort! On the other side of the track Tim found Marsh Pea and Eyelash fungus. We also visited the Gnisvård Boat setting, unusual for its size (45 m) and for being in woodland, though it would have been in open ground when it was made in the late Bronze Age. Nearby is an early Bronze Age Cairn and a Stone Age Dolmen built of massive granite blocks the only one of its kind found on Gotland. Chiffchaffs were calling, and as we were leaving a hare was seen.

Back to the hotel to collect luggage and take the short drive to the airport. We all had the same flight to Stockholm, and then took a variety of onward flights.

Systematic List Number 1 Plants

The following list mentions sites where plants were seen or for the days seen if more common. Species recorded in 2018 or earlier trips, but not in 2024 are enclosed with square brackets [e.g.]. Taxonomy and Nomenclature taken from Stace (2019) and Den Nya Nordiska Floran by Stenberg & Mossberg (2003). Families are arranged taxonomically with species arranged alphabetically in the families for ease of finding.

PTERIDOPHYTES – FERNS AND FERN-ALLIES

LYCOPHYTES (CLUBMOSSES AND QUILLWORTS)

Lycopodiaceae	Clubmoss Family	
<i>Lycopodium annotinum</i>	Interrupted Clubmoss	Kallgatburg, Ullahau
[<i>Lycopodium clavatum</i>]	Stag's-horn Clubmoss	Ullahau]

EUSPORANGIATE FERNS (ADDER'S-TONGUES AND MOONWORTS)

Ophioglossaceae	Adder's-tongue Family	
<i>Botrychium lunaria</i>	Moonwort	Gnisvärd, [Helgumannen 2023]
<i>Ophioglossum vulgatum</i>	Adder's-tongue	scattered e.g. Öja meadow

CALAMOPHYTES (HORSETAILS)

Equisetaceae	Horsetail Family	
<i>Equisetum arvense</i>	Field Horsetail	common
<i>Equisetum fluviatile</i>	Water Horsetail	Stockviken
<i>Equisetum palustre</i>	Marsh Horsetail	scattered
<i>Equisetum variegatum</i>	Variiegated Horsetail	Tofta Strand dune slack; near Lauters, Faro

LEPTOSPORANGIATE FERNS (TRUE FERNS)

Dennstaedtiaceae	Bracken Family	
<i>Pteridium aquilinum</i>	Bracken	common
Aspleniaceae	Spleenwort Family	
<i>Asplenium ruta-muraria</i>	Wall-rue	on rocks and walls
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Stora Karlsö
Thelypteridaceae	Marsh Fern Family	
<i>Thelypteris palustris</i>	Marsh Fern	by road at Gnisvärd stone boat
Athyriaceae	Lady-fern Family	
<i>Athyrium filix-femina</i>	Lady-fern	Ullahau area
Dryopteridaceae	Buckler-fern Family	
<i>Dryopteris carthusiana</i>	Narrow Buckler-fern	Ullahau
<i>Dryopteris dilatata</i>	Broad Buckler-fern	Ullahau

Polypodiaceae <i>Polypodium vulgare</i>	Polypody Family Common Polypody	Ullahau
GYMNOSPERMS - (CONIFERS)		
Pinaceae <i>Picea abies</i> <i>Pinus sylvestris</i>	Pine Family Norway Spruce Scots Pine	widespread widespread
Taxaceae <i>Taxus baccata</i>	Yew Family Yew	locally common at Kallgatburg
Cupressaceae <i>Juniperus communis</i>	Juniper Family Juniper	widespread and locally dominant

ANGIOSPERMS (FLOWERING PLANTS)

PRE-DICOTS (PRIMITIVE ANGIOSPERMS)

Nymphaeaceae [<i>Nuphar lutea</i> <i>Nymphaea alba</i>	Water-lily Family Yellow Water-lily White Water-lily	Tingstäde, in river, 2023] near Gannarve
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EU-DICOTS (TRUE DICOTYLEDONS)

Papaveraceae <i>Chelidonium majus</i> [<i>Fumaria officinalis</i> <i>Papaver rhoeas</i>	Poppy Family Greater Celandine Common Fumitory Common Poppy	common Västerhejde, NW of, 2023] locally common in arable Fields and roadsides
<i>Papaver dubium</i> <i>Pseudofumaria lutea</i> [<i>Roemeria argemone</i>	Long-Headed Poppy Yellow Corydalis Prickly Poppy	scattered Visby Västerhejde, NW of, 2023]
Berberidaceae <i>Berberis vulgaris</i>	Barberry Family Common Barberry	common
Ranunculaceae <i>Adonis vernalis</i> <i>Anemone nemorosa</i> <i>Anemone ranunculoides</i> [<i>Anemone sylvestris</i> <i>Aquilegia vulgaris</i> [<i>Caltha palustris</i>	Buttercup Family Yellow Pheasant's-eye Wood Anemone Yellow Anemone Snowdrop Windflower Columbine Marsh-marigold	Stora Karlsö, in fruit common in woods Stora Karlsö (in fruit) scattered, 2023] common scattered in damp places, 2023]
[<i>Consolida regalis</i>	Field Larkspur	in poppy field nr Gnisvärd, 2018]
<i>Ficaria verna</i> <i>Hepatica nobilis</i>	Lesser Celandine Liverleaf	scattered, leaves only common in woods, leaves only

<i>Myosurus minimus</i>	Mousetail	Stockviken
<i>Pulsatilla pratensis</i>	Small Pasqueflower	common on the coast, in flower at Närsholmen
<i>Ranunculus acris</i>	Meadow Buttercup	common
[<i>Ranunculus arvensis</i>	Corn Buttercup	in poppy field nr Gnisvärd, 2018]
<i>Ranunculus auricomus</i>	Goldilocks Buttercup	Närsholmen and scattered elsewhere
[<i>Ranunculus baudotii</i>	Brackish Water-crowfoot	N of Hamra in small pond, 2023]
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	scattered
<i>Ranunculus flammula</i>	Lesser Spearwort	common: wet places
<i>Ranunculus polyanthemos</i>	a buttercup	scattered
<i>Ranunculus repens</i>	Creeping Buttercup	common
<i>Ranunculus sardous</i>	Hairy Buttercup	scattered
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup	Stockviken
[<i>Ranunculus trichophyllus</i>	Thread-leaved Water-crowfoot	Närsholmen, Stockviken, 2023]
<i>Thalictrum flavum</i>	Common Meadow-rue	Öja meadow and Botvaldevik – in leaf
<i>Thalictrum minus</i> ssp. <i>minus</i>	Lesser Meadow-rue	scattered
Grossulariaceae	Gooseberry Family	
<i>Ribes alpinum</i>	Mountain Currant	Stora Karlsö
<i>Ribes spicatum</i>	Downy Currant	scattered
<i>Ribes uva-crispa</i>	Wild Gooseberry	scattered
Saxifragaceae	Saxifrage Family	
<i>Saxifraga granulata</i>	Meadow Saxifrage	common
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	scattered
Crassulaceae	Stonecrop Family	
<i>Petrosedum rupestre</i>	Reflexed Stonecrop	Visby
<i>Sedum acre</i>	Biting Stonecrop	common
<i>Sedum album</i>	White Stonecrop	scattered
Fabaceae	Pea Family	
<i>Anthyllis vulneraria</i>	Kidney-vetch	common
<i>Ervum tetraspermum</i>	Smooth Tare	Öja
[<i>Lathyrus japonicus</i>	Sea Pea	Gnisvärd, 2023]
<i>Lathyrus palustris</i>	Marsh Pea	Botvaldevik
<i>Lathyrus pratensis</i>	Meadow Vetchling	scattered
[<i>Lathyrus vernus</i>	Spring Pea	near Mallgårds fen, 2023]
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil	common
<i>Lotus maritimus</i>	Dragon's-teeth	common, in coastal meadows and fens
<i>Medicago lupulina</i>	Black Medick	common
<i>Medicago sativa</i> subsp. <i>falcata</i>	Sickle Medick	south of Visby

<i>Melilotus officinalis</i>	Common Melilot	scattered
<i>Ononis repens</i>	Restharrow	Gnisvärd
<i>Oxytropis campestris</i>	Yellow Milk-vetch	Närsholmen
<i>Trifolium arvense</i>	Hare's-foot Clover	Närsholmen
<i>Trifolium campestre</i>	Hop Trefoil	scattered
<i>Trifolium dubium</i>	Lesser Trefoil	common
<i>Trifolium fragiferum</i>	Strawberry Clover	Stockviken
<i>Trifolium montanum</i>	Mountain Clover	Stockviken
<i>Trifolium pratense</i>	Red Clover	common
<i>Trifolium repens</i>	White Clover	scattered
[<i>Vicia cassubica</i>	Danzig Vetch	near Visby, 2023]
<i>Vicia cracca</i>	Tufted Vetch	scattered
<i>Vicia sativa</i> subsp. <i>nigra</i>	Common Vetch	north of Visby
<i>Vicia sativa</i> subsp. <i>segetalis</i>	Common Vetch	Stockviken
<i>Vicia sepium</i>	Bush Vetch	Fårö
<i>Vicia tenuifolia</i>	Fine-leaved Vetch	road to Botvaldevik
[<i>Vicia villosa</i>	Fodder Vetch	on roadside Gnisvärd, 2023]

Polygalaceae

<i>Polygala amarella</i>	Dwarf Milkwort	scattered
<i>Polygala comosa</i>	Tufted Milkwort	scattered
<i>Polygala vulgaris</i>	Common Milkwort	scattered

Milkwort Family

Rosaceae

<i>Agrimonia eupatoria</i>	Common Agrimony	scattered
<i>Alchemilla</i> sp.	unidentified lady's-mantle	scattered
[<i>Aphanes arvensis</i>	Parsley-piert	Tofta poppy field, 2023]
<i>Cotoneaster integerrimus</i>	a cotoneaster	common
<i>Cotoneaster niger</i>	a cotoneaster	common
<i>Crataegus laevigata</i>	Midland Hawthorn	common
<i>Crataegus monogyna</i>	Hawthorn	common
<i>Crataegus rhipidophylla</i>	Large-sepalled Hawthorn	Scattered
<i>Filipendula vulgaris</i>	Dropwort	common
<i>Filipendula ulmaria</i>	Meadowsweet	common, leaf only
<i>Fragaria vesca</i>	Wild Strawberry	common
<i>Fragaria viridis</i>	Green Strawberry	scattered
<i>Geum rivale</i>	Water Avens	common, as at Närsholmen
<i>Geum urbanum</i>	Wood Avens	common
<i>Geum x intermedium</i>	<i>Geum</i> hybrid	(parents are <i>Geum rivale</i> and <i>Geum urbanum</i>) Öja meadow)
<i>Malus sylvestris</i>	Wild Apple	scattered
<i>Potentilla anserina</i>	Silverweed	common
<i>Potentilla argentea</i>	Hoary Cinquefoil	scattered
<i>Potentilla erecta</i>	Tormentil	Kallgatburg, scattered
<i>Potentilla reptans</i>	Creeping Cinquefoil	common
<i>Potentilla verna</i>	Spring Cinquefoil	scattered
<i>Poterium sanguisorba</i>	Salad Burnet	Stora Karlsö
<i>Prunus avium</i>	Wild Cherry	scattered

<i>Prunus mahaleb</i>	St Lucie Cherry	Stora Karlsö, invasive non-native
<i>Prunus spinosa</i>	Blackthorn	common
<i>Rosa canina</i>	Dog-rose	common
<i>Rosa rubiginosa</i>	Sweet-briar	scattered
<i>Rosa sherardii</i>	Sherard's Downy-rose	Kallgatburg
<i>Rosa villosa</i>	Villous Downy-rose	Kallgatburg, scattered
<i>Rubus caesius</i>	Dewberry	scattered
<i>Rubus chamaemorus</i>	Cloudberry	scattered, Kallgatburg, leaves only
<i>Rubus idaeus</i>	Raspberry	common
<i>Rubus saxatilis</i>	Stone Bramble	common
<i>Sanguisorba officinalis</i>	Great Burnet	Kallgatburg, leaves only
<i>Sorbus aucuparia</i>	Rowan	common
<i>Sorbus hybrida</i>	Swedish Service-tree	scattered
<i>Sorbus intermedia</i>	Swedish Whitebeam	common
<i>Sorbus rupicola</i>	Rock Whitebeam	common
Rhamnaceae	Buckthorn Family	
<i>Frangula alnus</i>	Alder Buckthorn	common, as at Kallgatburg
<i>Rhamnus catharticus</i>	Buckthorn	common
Ulmaceae	Elm Family	
<i>Ulmus glabra</i>	Wych Elm	widespread
<i>Ulmus minor</i>	Elm	rarely seen
Cannabaceae	Hop Family	
<i>Humulus lupulus</i>	Hop	Närsholmen
Urticaceae	Nettle Family	
<i>Urtica dioica</i>	Common Nettle	near habitation
<i>Urtica urens</i>	Small Nettle	Langhammars
Fagaceae	Beech Family	
<i>Quercus robur</i>	Pedunculate Oak	widespread
Myricaceae	Bog-myrtle Family	
<i>Myrica gale</i>	Bog-myrtle	Kallgatburg
Betulaceae	Birch Family	
<i>Alnus glutinosa</i>	Alder	by streams
<i>Corylus avellana</i>	Hazel	frequent, as at Öja
<i>Betula pendula</i>	Silver Birch	widespread
<i>Betula pubescens</i>	Downy Birch	widespread
Celastraceae	Spindle Family	
[<i>Euonymus europaeus</i>	Spindle	Hogklint, 2023]
Parnassiaceae	Grass-of-Parnassus Family	
<i>Parnassia palustris</i>	Grass-of-Parnassus	Stockviken

Oxalidaceae <i>Oxalis acetosella</i>	Wood Sorrel Family Wood-sorrel	scattered
Euphorbiaceae <i>Euphorbia esula</i> [<i>Euphorbia helioscopia</i> <i>Mercurialis perennis</i>	Spurge Family Leafy Spurge Sun Spurge Dog's Mercury	Visby Västerhejde, NW of, 2023] Stora Karlsö
Salicaceae <i>Populus tremula</i> <i>Salix caprea</i> <i>Salix cinerea</i> <i>Salix pentandra</i> <i>Salix repens</i> <i>Salix rosmarinifolia</i> <i>Salix triandra</i>	Willow Family Aspen Goat Willow Grey Willow Bay Willow Creeping Willow a willow Almond Willow	widespread scattered widespread widespread in fens or wet places Kallgatburg widespread along streams
Violaceae <i>Viola arvensis</i> <i>Viola canina</i> <i>Viola hirta</i> <i>Viola pumila</i> <i>Viola reichenbachiana</i> <i>Viola rivinana</i> <i>Viola stagnina</i>	Violet Family Field Pansy Heath Dog-violet Hairy Violet Meadow Violet Early Dog-violet Common Dog-violet Fen Violet	field south of Sjonhem Närsholmen Tofta Strand Kallgatburg scattered scattered Kallgatburg
Linaceae <i>Linum austriacum</i> <i>Linum catharticum</i>	Flax Family Asian Flax Fairy Flax	north of Visby by roadside scattered
Hypericaceae <i>Hypericum montanum</i> <i>Hypericum perforatum</i>	St John's-wort Family Pale St John's-wort Perforate St John's-wort	Stora Karlsö scattered
Geraniaceae <i>Erodium cicutarium</i> <i>Geranium columbinum</i> <i>Geranium dissectum</i> <i>Geranium lucidum</i> <i>Geranium molle</i> <i>Geranium pusillum</i> <i>Geranium pyrenaicum</i> <i>Geranium robertianum</i> <i>Geranium sanguineum</i> <i>Geranium sylvaticum</i>	Crane's-bill Family Common Stork's-bill Long-stalked Crane's-bill Cut-leaved Crane's-bill Shining Crane's-bill Dove's-foot Crane's-bill Small-flowered Crane's-bill Hedgerow Crane's-bill Herb-Robert Bloody Crane's-bill Wood Crane's-bill	Gannarve scattered scattered Stora Karlsö etc scattered scattered scattered common common common

Lythraceae <i>Lythrum salicaria</i>	Purple-loosestrife Family Purple-loosestrife	Stockviken
Onagraceae <i>Chamerion angustifolium</i> <i>Epilobium ciliatum</i>	Willowherb Family Rosebay Willowherb American Willowherb	scattered, in leaf Visby
Sapindaceae <i>Acer platanoides</i>	Maple Family Norway Maple	common
Malvaceae <i>Malva moschata</i> [<i>Malva pusilla</i> <i>Malva sylvestris</i> <i>Tilia cordata</i> <i>Tilia x europaea</i>	Mallow Family Musk Mallow Small Mallow Common Mallow Small-leaved Lime Common Lime	Gnisvärd Visby, 2023] scattered scattered Vamlingbo
Cistaceae <i>Helianthemum nummularia</i>	Rock-rose Family Common Rock-rose	common
Resedaceae <i>Reseda lutea</i> <i>Reseda luteola</i>	Mignonette Family Wild Mignonette Weld	common Gnisvärd
Brassicaceae <i>Alliaria petiolata</i> <i>Alyssum alyssoides</i> <i>Arabidopsis thaliana</i> <i>Arabis hirsuta</i> <i>Barbarea stricta</i> <i>Barbarea vulgaris</i> <i>Bunias orientalis</i> <i>Cakile maritima</i> <i>Capsella bursa-pastoris</i> <i>Cardamine hirsuta</i> <i>Cardamine pratensis</i> <i>Dentaria bulbifera</i> <i>Descurainia sophia</i> <i>Diplotaxis muralis</i> <i>Erophila verna</i> <i>Erysimum cheiranthoides</i> <i>Hornungia petraea</i> <i>Isatis tinctoria</i> <i>Lepidium draba</i> <i>Sinapis arvensis</i> <i>Thlaspi arvense</i>	Cabbage Family Garlic Mustard Small Alison Thale Cress Hairy Rock-cress Small-flowered Winter-cress Common Winter-cress Warty-cabbage Sea-rocket Shepherd's-purse Hairy Bittercress Cuckooflower Coralroot Flixweed Annual Wall-rocket Common Whitlowgrass Treacle-mustard Hutchinsia Woad Hoary Cress Charlock Field Penny-cress	Stora Karlsö Gannarve Visby scattered Stora Karlsö scattered scattered Tofta Strand, leaves only common Visby Närsholmen east of Ullahau Stockviken Visby common Stora Karlsö common scattered, Gnisvärd scattered on roadsides scattered in poppy field near Gnisvärd

Polygonaceae	Knotweed Family	
<i>Polygonum aviculare</i>	Knotgrass	Fårö
<i>Rumex acetosa</i>	Common Sorrel	widespread
<i>Rumex acetosella</i>	Sheep's Sorrel	scattered
<i>Rumex crispus</i>	Curled Dock	widespread
<i>Rumex longifolius</i>	Northern Dock	scattered
Droseraceae	Sundew Family	
<i>Drosera anglica</i>	Great Sundew	Mallgårds fen
Caryophyllaceae	Pink Family	
<i>Arenaria gothica</i>	a Sandwort	Digerhuvud
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort	widespread
<i>Cerastium arvense</i>	Field Mouse-ear	Fårö
<i>Cerastium fontanum</i>	Common Mouse-ear	scattered
<i>Cerastium tomentosum</i>	Snow-in-summer	Gannarve
<i>Dianthus deltoides</i>	Maiden Pink	Gålrum
<i>Herniaria glabra</i>	Smooth Rupturewort	widespread
<i>Honckenya peploides</i>	Sea Sandwort	Gnisvärd
<i>Lychnis viscaria</i>	Sticky Catchfly	Stora Karlsö, Kallgatburg
<i>Moehringia trinervia</i>	Three-veined Sandwort	Stora Karlsö
<i>Sagina procumbens</i>	Procumbent Pearlwort	widespread
<i>Silene latifolia</i>	White Champion	scattered
<i>Silene nutans</i>	Nottingham Catchfly	widespread
<i>Silene uniflora</i>	Sea Champion	Langhammars
<i>Stellaria graminea</i>	Lesser Stitchwort	scattered
<i>Stellaria media</i>	Common Chickweed	widespread
<i>Stellaria pallida</i>	Lesser Chickweed	widespread
Amaranthaceae	Goosefoot Family	
<i>Atriplex littoralis</i>	Grass-leaved Orache	Tofta Strand
<i>Atriplex prostrata</i>	Spear-leaved Orache	Tofta Strand
<i>Chenopodium rubrum</i>	Red Goosefoot	Tofta Strand
Cornaceae	Dogwood Family	
<i>Cornus sanguinea</i>	Dogwood	scattered
Primulaceae	Primrose Family	
<i>Lysimachia maritima</i>	Sea-milkwort	Stockviken
<i>Lysimachia nummularia</i>	Creeping-Jenny	Visby
<i>Lysimachia vulgaris</i>	Yellow Loosestrife	Stockviken
<i>Primula farinosa</i>	Bird's-eye Primrose	Kallgatburg, Botvaldevik
<i>Primula veris</i>	Cowslip	common
<i>Trientalis europaea</i>	Chickweed Wintergreen	Ullahau
Ericaceae	Heather Family	
<i>Arctostaphylos uva-ursi</i>	Bearberry	common
<i>Calluna vulgaris</i>	Heather	common

<i>Empetrum nigrum</i>	Crowberry	Ullahau, near
[<i>Moneses uniflora</i>	One-flowered Wintergreen	Ullahau, near. 2018]
<i>Orthilia secunda</i>	Serrated Wintergreen	Botvaldevik
<i>Pyrola chlorantha</i>	Yellow Wintergreen	Kallgatburg, Botvaldevik
[<i>Pyrola minor</i>	Common Wintergreen	north of Fårö Fyr. 2023]
<i>Pyrola rotundifolia</i>	Round-leaved Wintergreen	Tofta Strand
<i>Vaccinium myrtillus</i>	Bilberry	common
<i>Vaccinium vitis-idaea</i>	Cowberry	common
Rubiaceae	Bedstraw Family	
<i>Asperula tinctoria</i>	Squinancywort	common
<i>Galium album</i>	Hedge Bedstraw	scattered
<i>Galium aparine</i>	Cleavers	scattered
<i>Galium boreale</i>	Northern Bedstraw	common
<i>Galium palustre</i>	Marsh Bedstraw	scattered
<i>Galium verum</i>	Lady's Bedstraw	common
Gentianaceae	Gentian Family	
<i>Centaurium littorale</i>	Seaside Centaury	Tofta Strand
Apocynaceae	Periwinkle Family	
<i>Vincetoxicum hirundinaria</i>	Swallow-wort	common
Boraginaceae	Borage Family	
<i>Anchusa officinalis</i>	Alkanet	scattered
[<i>Asperugo procumbens</i>	Madwort	Hogklint. 2023]
<i>Brunnera macrophyllum</i>	Great Forget-me-not	Visby
<i>Buglossoides arvensis</i>	Corn Gromwell	Stora Karlsö
<i>Cynoglossum officinale</i>	Hound's-tongue	scattered
<i>Echium vulgare</i>	Viper's-bugloss	common
<i>Lycopsis arvensis</i>	Bugloss	field south of Sjonhem
<i>Myosotis arvensis</i>	Field Forget-me-not	scattered
<i>Myosotis laxa</i>	Tufted Forget-me-not	Kallgatburg
<i>Myosotis ramosissima</i>	Early Forget-me-not	scattered
<i>Symphytum asperum</i>	Rough Comfrey	scattered
Convolvulaceae	Bindweed Family	
<i>Convolvulus arvensis</i>	Field Bindweed	common
<i>Cuscuta epithimum</i>	Dodder	Gnisvärd
Solanaceae	Nightshade Family	
<i>Solanum nigrum</i>	Black Nightshade	Gnisvärd
Oleaceae	Olive Family	
<i>Fraxinus excelsior</i>	Ash	common (but many with Ash Dieback)

Veronicaceae

Cymbalaria muralis
Linaria vulgaris
Veronica arvensis
Veronica beccabunga
Veronica catenata
Veronica chamaedrys
Veronica hederifolia
Veronica officinalis
Veronica persica
 [*Veronica scutellata*
Veronica serpyllifolia
Veronica spicata

Speedwell Family

Ivy-leaved Toadflax walls in Visby
 Common Toadflax scattered
 Wall Speedwell common
 Brooklime Visby
 Pink Water-speedwell Stockviken
 Germander Speedwell common
 Ivy-leaved Speedwell Visby
 Common Speedwell Fårö
 Common Field-speedwell Visby
 Marsh Speedwell [Mallgårds fen. 2023]
 Thyme-leaved Speedwell Common
 Spiked Speedwell Stora Karlsö, Gålrum

Plantaginaceae

Globularia vulgaris
Littorella uniflora
Plantago coronopus
Plantago lanceolata
Plantago major
Plantago maritima

Plantain Family

Common Globularia common
 Shoreweed Stockviken
 Buck's-horn Plantain scattered
 Ribwort Plantain common
 Greater Plantain scattered
 Sea Plantain Stockviken

Scrophulariaceae

Scrophularia nodosa
Verbascum nigrum
Verbascum thapsus

Figwort Family

Common Figwort Visby
 Dark Mullein Visby
 Great Mullein Gnisvärd

Lamiaceae

Ballota nigra
Clinopodium acinos
Lamium purpureum
Lycopus europaeus
Mentha aquatica
Nepeta cataria
Origanum vulgare
Prunella vulgaris
Salvia pratensis
Salvia verticillata
 [*Scutellaria hastifolia*
Stachys sylvatica
Teucrium scordium
Thymus serpyllum

Mint Family

Black Horehound Visby
 Basil-thyme Gannarve, Stora Karlsö
 Red Deadnettle scattered
 Gipsywort Närsholmen
 Water Mint scattered
 Catmint Visby
 Marjoram Stora Karlsö, leaves only
 Self-Heal common
 Meadow Clary Gannarve
 Whorled Clary Visby
 Norfolk Skullcap [north of Hamra. 2023]
 Hedge Woundwort Visby
 Water Germander Närsholmen
 Breckland Thyme scattered

Orobanchaceae

[*Bartsia alpina*
Lathraea squamaria
Melampyrum arvense
Melampyrum pratense

Broomrape Family

Alpine Bartsia [Mallgårds fen. 2023]
 Toothwort Visby
 Field Cow-Wheat common along roadsides
 Common Cow-wheat Gnisvärd stone boat

<i>Melampyrum sylvaticum</i>	Small Cow-wheat	Kallgatburg
<i>Rhinanthus minor</i>	Yellow-rattle	scattered
<i>Rhinanthus serotinus</i>	Greater Yellow-rattle	scattered
Lentibulariaceae	Butterwort Family	
<i>Pinguicula alpina</i>	Alpine Butterwort	Kallgatburg
<i>Pinguicula vulgaris</i>	Common Butterwort	Kallgatburg, Botvaldevik
Campanulaceae	Bellflower Family	
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	Visby, leaf only
<i>Campanula poscharskyana</i>	Trailing Bellflower	Visby
<i>Campanula rapunculoides</i>	Creeping Bellflower	Visby, leaf only
<i>Campanula rotundifolia</i>	Harebell	scattered
Menyanthaceae	Bogbean Family	
[<i>Menyanthes trifoliata</i>	Bogbean	Mallgårds fen. 2023]
Asteraceae	Daisy Family	
<i>Achillea millefolium</i>	Yarrow	scattered
<i>Antennaria dioica</i>	Mountain Everlasting	common
<i>Anthemis arvensis</i>	Corn Chamomile	Visby
<i>Arctium minus</i>	Lesser Burdock	scattered
[<i>Arctium tomentosum</i>	Woolly Burdock	Tingstäde. 2023]
<i>Artemisia absinthium</i>	Wormwood	Gnisvärd
<i>Artemisia campestris</i>	Field Wormwood	scattered
<i>Artemisia maritima</i>	Sea Wormwood	scattered
<i>Artemisia vulgaris</i>	Mugwort	scattered
<i>Bellis perennis</i>	Daisy	common
<i>Carduus nutans</i>	Nodding Thistle	Fårö
<i>Carlina vulgaris</i> subsp. <i>longifolia</i>	Carlina Thistle	scattered
[<i>Centaurea cheiranthifolia</i>	a cornflower	Tingstäde. 2023]
<i>Centaurea cyanus</i>	Cornflower	Västerhejde, NW of
<i>Centaurea scabiosa</i>	Greater Knapweed	scattered
<i>Cichorium intybus</i>	Chicory	scattered
<i>Cirsium acaule</i>	Dwarf Thistle	common
<i>Cirsium arvense</i>	Creeping Thistle	scattered
[<i>Cirsium palustre</i>	Marsh Thistle	Mallgårds. 2023]
<i>Cirsium vulgare</i>	Spear Thistle	Stora Karlsö
<i>Crepis praemorsa</i>	Leafless Hawk's-beard	Mullvalds änge
<i>Crepis tectorum</i>	Narrow-leaved Hawk's-beard	scattered
<i>Erigeron acris</i>	Blue Fleabane	Gnisvärd
<i>Erigeron canadensis</i>	Canadian Fleabane	Visby
<i>Hieracium</i> agg.	unidentified Hawkweed spp.	scattered
<i>Hieracium umbellatum</i>	Hawkweed	Gnisvärd
<i>Hypochaeris maculata</i>	Spotted Cat's-ear	Närsholmen, Stora Karlsö
<i>Hypochaeris radicata</i>	Cat's-ear	scattered
<i>Inula britannica</i>	Meadow Fleabane	rare, leaf only
<i>Inula salicina</i>	Irish Fleabane	common, leaf only

<i>Jacobaea vulgaris</i>	Common Ragwort	scattered
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	scattered
<i>Petasites hybridus</i>	Butterbur	Visby
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	common
[<i>Pilosella x floribunda</i>	Irish Fox-and-cubs	Suderbys, 2023]
<i>Scorzonera humilis</i>	Viper's-grass	common
<i>Scorzoneroides autumnalis</i>	Autumn Hawkbit	scattered
<i>Senecio vulgaris</i>	Groundsel	common
<i>Solidago virgaurea</i>	Goldenrod	scattered
<i>Sonchus arvensis</i>	Perennial Sow-thistle	Tofta Strand
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	scattered
<i>Tanacetum vulgare</i>	Tansy	scattered
<i>Taraxacum officinale</i> agg.	Dandelion	common
<i>Tragopogon pratensis</i>	Goat's-beard	common
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	scattered
<i>Tussilago farfara</i>	Colt's-foot	scattered, leaves only
Caprifoliaceae	Honeysuckle Family	
<i>Linnaea borealis</i>	Twinflower	Ullahau
<i>Lonicera caprifolium</i>	Perfoliate Honeysuckle	Fårö
<i>Lonicera periclymenum</i>	Honeysuckle	scattered
<i>Lonicera xylosteum</i>	Fly Honeysuckle	scattered
<i>Viburnum opulus</i>	Guelder Rose	common
Valerianaceae	Valerian Family	
<i>Valeriana officinalis</i>	Common Valerian	scattered
[<i>Valerianella carinata</i>	Keeled-fruited Cornsalad	Visby. 2023]
[<i>Valerianella dentata</i>	Narrow-fruited Cornsalad	Västerhejde, NW of. 2023]
<i>Valerianella locusta</i>	Common Cornsalad	scattered
Dipsacaceae	Teasel Family	
<i>Knautia arvensis</i>	Field Scabious	Gnisvärd
<i>Scabiosa columbaria</i>	Small Scabious	Stora Karlsö
<i>Succisa pratensis</i>	Devil's-bit Scabious	scattered, leaf only
Araliaceae	Ivy Family	
<i>Hedera helix</i>	Ivy	scattered
Hydrocotylaceae	Pennywort Family	
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort	scattered, damp places
Apiaceae	Carrot Family	
<i>Aegopodium podagraria</i>	Ground-elder	Visby
<i>Angelica sylvestris</i>	Wild Angelica	scattered, leaves only
<i>Anthriscus caucalis</i>	Bur Chervil	beach, Stora Karlsö
<i>Anthriscus sylvestris</i>	Cow Parsley	common
<i>Berula erecta</i>	Lesser Water-parsnip	Tofta Strand
<i>Carum carvi</i>	Caraway	Kallgatburg

<i>Chaerophyllum temulum</i>	Rough Chervil	Visby
<i>Daucus carota</i>	Wild Carrot	scattered – in leaf only
<i>Heracleum sphondylium</i>	Hogweed	(ssp. <i>sibiricum</i> with yellowy flowers) scattered on roadsides
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Stora Karlsö – in leaf
<i>Myrrhis odorata</i>	Sweet Cicely	Stora Karlsö
<i>Pastinaca sativa</i>	Wild Parsnip	scattered on roadsides
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Fårö
<i>Sanicula europaea</i>	Sanicle	scattered in woods
<i>Thysselinum palustre</i>	Milk-parsley	Botvaldevik, north of
<i>Torilis japonica</i>	Upright Hedge-parsley	Visby

MONOCOTS (MONOCOTYLEDONS)

Araceae

Lords-and-Ladies Family

[*Lemna minor*

Common Duckweed

Hamra, NW of. 2023]

Tofieldiaceae

Tofieldia calyculata

German Asphodel

Kallgatburg

Juncaginaceae

Arrow-grass Family

Triglochin maritima

Sea Arrow-grass

Botvaldevik

Triglochin palustris

Marsh Arrow-grass

Stockviken

Potamogetonaceae

Pondweed Family

[*Potamogeton gramineus*

Various-leaved Pondweed

Mallgårds. 2023]

Melanthiaceae

Paris quadrifolia

Herb-paris

Kallgatburg, Mullvalds änge

Orchidaceae

Orchid Family

Anacamptis morio

Green-winged Orchid

in flower, Stockviken, Närsholmen

Anacamptis pyramidalis

Pyramidal Orchid

In flower at Gnisvärd

Cephalanthera longifolia

Sword-leaved Helleborine

widespread in flower, inc. north of Botvaldevik, south of Öja, and at Lauters on Fårö

Cephalanthera rubra

Red Helleborine

in flower at Tofta Strand and north of Botvaldevik

Cephalanthera longifolia x *rubra* Helleborine hybrid

One pink-flowered plant (with hybrid vigour) with both parents (*Cephalanthera longifolia* and *C. rubra*) north of Botvaldevik

Coeloglossum viride

Frog Orchid

several in flower in Mullvalds änge

Cypripedium calceolus

Lady's-slipper Orchid

sadly all the flowers were over at the well-known site at Kallgatburg

Dactylorhiza fuchsii

Common Spotted-orchid

in flower, scattered

D. x kernerorum (*Dactylorhiza fuchsii* x *D. incarnata*) a hybrid

One seen at Tofta Strand by Rosemary and Nigel

<i>Dactylorhiza incarnata</i> ssp. <i>cruenta</i>	Early Marsh-orchid	in flower, leaves spotted on both sides and stems and bracts heavily marked too, seen at Kallgatburg
<i>Dactylorhiza incarnata</i> ssp. <i>incarnata</i>	Early Marsh-orchid	typical pale flesh-pink form, widespread – Tofta Strand, Gnisvärd, Lauters on Fårö, Kallgatburg
<i>Dactylorhiza incarnata</i> ssp. <i>incarnata</i> var. <i>leucantha</i>		at least one Early Marsh-orchid with pure white flowers Tofta Strand
[<i>Dactylorhiza incarnata</i> ssp. <i>ochroleuca</i>	Early Marsh-orchid	pale cream-coloured flowers, west of Hamra, Mallgårds. 2023]
<i>Dactylorhiza incarnata</i> ssp. <i>pulchella</i>	Early Marsh-orchid	purple-flowered, widespread, as at Kallgatburg
<i>Dactylorhiza majalis</i> subsp. <i>lapponica</i>	a Marsh-orchid	several in flower at Kallgatburg, on path to Lady's-slipper Orchid site well over at Närsholmen
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	
<i>Epipactis atrorubens</i>	Dark-red Helleborine	in flower at Tofta Strand and Gnisvärd, but in bud at Helgumannen, Fårö. One plant free of the red colour (anthocyanin) at Tofta Strand seen by Rosemary and Nigel
<i>Epipactis helleborine</i>	Broad-leaved Helleborine	scattered, leaves or in bud only
<i>Epipactis palustris</i>	Marsh Helleborine	mostly in bud at Tofta Strand (one in flower) and Gnisvärd, and Helgumannen, Fårö
[<i>Goodyera repens</i>	Creeping Lady's-tresses	leaves seen north of Botvaldevik. 2023]
<i>Gymnadenia conopsea</i>	Fragrant-orchid	in flower, Mullvalds änge
<i>Gymnadenia densiflora</i>	Marsh Fragrant-orchid	in flower in Öja meadow
<i>Gymnadenia odoratissima</i>	Short-spurred Fragrant-orchid	in bud at Kallgatburg
<i>Herminium monorchis</i>	Musk Orchid	in flower Gnisvärd
[<i>Neottia cordata</i>	Lesser Twayblade	looked for north of Botvaldevik but not found 2024]
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	in flower north of Botvaldevik and Tofta Strand
<i>Neottia ovata</i>	Twayblade	in flower, widespread
<i>Platanthera bifolia</i>	Lesser Butterfly-orchid	in flower, widespread, as at Kallgatburg
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	in leaf or bud only, north of Botvaldevik, Närsholmen
<i>Ophrys insectifera</i>	Fly Orchid	in flower, many in windmill field south of Öja and Kallgatburg
<i>Orchis mascula</i>	Early-purple Orchid	mostly gone over but some in flower at Närsholmen, widespread and common
<i>Orchis militaris</i>	Military Orchid	in flower, widespread and quite common, abundant in windmill field south of Öja and Gnisvärd
<i>Orchis spitzelii</i>	Alpine Orchid	one in fruit near Fjäle, north of Anga
<i>Orchis ustulata</i>	Burnt Orchid	in flower, scattered – many in

windmill field south of Öja and at Stockviken

Iridaceae	Iris Family	
<i>Iris pseudacorus</i>	Yellow Iris	Botvaldevik
Alliaceae		
<i>Allium schoenoprasum</i>	Chives	Kallgatburg, Fårö
<i>Allium scorodoprasum</i>	Sand Leek	scattered (leaves used in local soup)
<i>Allium ursinum</i>	Ramsons	woods
<i>Allium vineale</i>	Crow Garlic	scattered
Asparagaceae		
<i>Asparagus officinalis</i>	Asparagus	Gannarve, Tofta Strand
<i>Convallaria majalis</i>	Lily-of-the-valley	common in woods
<i>Maianthemum bifolium</i>	May Lily	common, as at Ullahau
[<i>Ornithogalum umbellatum</i>	Star-of-Bethlehem	Öja. 2023]
<i>Polygonatum odoratum</i>	Angular Solomon's-seal	common
Typhaceae	Bulrush Family	
<i>Typha latifolia</i>	Bulrush	Lauters, Fårö
Juncaceae	Rush Family	
<i>Juncus articulatus</i>	Jointed Rush	scattered
<i>Juncus bufonius</i>	Toad Rush	scattered
<i>Juncus gerardii</i>	Saltmarsh Rush	Stockviken
<i>Juncus inflexus</i>	Hard Rush	Visby
<i>Juncus subnodulosus</i>	Blunt-flowered Rush	Kallgatburg
<i>Luzula campestris</i>	Field Wood-rush	Närsholmen
<i>Luzula luzuloides</i>	White Wood-rush	Ullahau
<i>Luzula multiflora</i>	Many-headed Wood-rush	Närsholmen
<i>Luzula pilosa</i>	Hairy Wood-rush	scattered
Cyperaceae	Sedge Family	
<i>Bolboschoenus maritimus</i>	Sea Club-rush	Stockviken
[<i>Carex acutiformis</i>	Lesser Pond-sedge	Kallgatburg. 2018]
<i>Carex arenaria</i>	Sand Sedge	Tofta Strand
<i>Carex demissa</i>	Common Yellow-sedge	common
<i>Carex digitata</i>	Fingered Sedge	Kallgatburg
<i>Carex disticha</i>	Brown Sedge	Gnisvärd
<i>Carex divulsa</i> ssp. <i>leersii</i>	Grey Sedge	scattered
<i>Carex echinata</i>	Star Sedge	Stockviken
<i>Carex elata</i>	Tufted Sedge	Fårö
[<i>Carex extensa</i>	Long-bracted Sedge	Liste ängar]
<i>Carex flacca</i>	Glaucous Sedge	common
<i>Carex flava</i>	Large Yellow-sedge	Kallgatburg
<i>Carex hirta</i>	Hairy Sedge	Öja meadow
<i>Carex hostiana</i>	Tawny Sedge	Kallgatburg

<i>Carex lepidocarpa</i>	Long-stalked Yellow-sedge	Kallgatburg
<i>Carex muricata</i>	Prickly Sedge	Närsholmen
<i>Carex nigra</i>	Common Sedge	common
<i>Carex ornithopoda</i>	Bird's-foot Sedge	Gnisvärd stone boat
<i>Carex pallescens</i>	Pale Sedge	Öja meadow
<i>Carex panicea</i>	Carnation Sedge	common
<i>Carex pilulifera</i>	Pill Sedge	Fårö
<i>Carex riparia</i>	Greater Pond-sedge	scattered
[<i>Carex spicata</i>	Spiked Sedge	South Gotland]
<i>Carex sylvatica</i>	Wood-sedge	scattered
[<i>Carex tomentosa</i>	Downy-fruited Sedge	South Gotland]
<i>Carex viridula</i>	Small-fruited Yellow-sedge	Tofta Strand
[<i>Carex vulpina</i>	True Fox-sedge	common]
<i>Cladium mariscus</i>	Great Fen-sedge	Botvaldevik, Fårö
<i>Eleocharis palustris</i>	Common Spike-rush	Närsholmen
<i>Eleocharis quinqueflora</i>	Few-flowered Spike-rush	scattered
<i>Eriophorum angustifolium</i>	Common Cottongrass	Fårö
<i>Eriophorum latifolium</i>	Broad-leaved Cottongrass	Kallgatburg
<i>Schoenoplectus tabernaemontani</i>	Grey Club-rush	Närsholmen
<i>Schoenus ferrugineus</i>	Brown Bog-rush	Kallgatburg
<i>Schoenus nigricans</i>	Black Bog-rush	Kallgatburg

Poaceae

<i>Agrostis capillaris</i>	Common Bent	common
<i>Agrostis stolonifera</i>	Creeping Bent	common
<i>Aira praecox</i>	Early Hair-grass	Ullahau
<i>Alopecurus arundinaceus</i>	Creeping Foxtail	Tofta Strand
<i>Alopecurus geniculatus</i>	Marsh Foxtail	Stockviken
<i>Ammophila arenaria</i>	Marram	Tofta Strand
<i>Anisantha tectorum</i>	Drooping Brome	Stora Karlsö
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	common
<i>Arrhenatherum elatius</i>	False Oat-grass	common
<i>Avenella flexuosa</i>	Wavy Hair-grass	scattered
<i>Avenula pubescens</i>	Downy Oat-grass	Tofta Strand
<i>Brachypodium pinnatum</i>	Tor-grass	common
<i>Brachypodium sylvaticum</i>	False Brome	common
<i>Briza media</i>	Common Quaking-grass	common
<i>Calamagrostis epigejos</i>	Wood Small-reed	scattered
<i>Corynephorus canescens</i>	Grey Hair-grass	Ullahau
<i>Cynosurus cristatus</i>	Crested Dog's-tail	common
<i>Dactylis glomerata</i>	Cock's-foot	common
<i>Danthonia decumbens</i>	Heath-grass	scattered
<i>Festuca ovina</i>	Sheep's-fescue	common
<i>Festuca rubra</i>	Red Fescue	common
<i>Helictochloa pratensis</i>	Meadow Oat-grass	scattered
<i>Leymus arenarius</i>	Lyme-grass	Tofta Strand
<i>Lolium perenne</i>	Perennial Rye-grass	common
<i>Melica ciliata</i>	Ciliate Melick	Kallgatburg

<i>Melica nutans</i>	Mountain Melick	Kallgatburg
<i>Molinia caerulea</i>	Purple Moor-grass	common
<i>Nardus stricta</i>	Mat-grass	scattered
<i>Phleum arenarium</i>	Sand Cat's-tail	Tofta Strand
<i>Phalaris arundinacea</i>	Reed Canary-grass	scattered
<i>Phleum phleoides</i>	Purple-stem Cat's-tail	scattered
<i>Phleum pratense</i>	Timothy	scattered
<i>Phragmites australis</i>	Common Reed	Stockviken
<i>Poa alpina</i>	Alpine Meadow-grass	scattered
<i>Poa annua</i>	Annual Meadow-grass	common
<i>Poa pratensis</i>	Smooth Meadow-grass	common
<i>Poa trivialis</i>	Rough Meadow-grass	common
<i>Schedonorus arundinaceus</i>	Tall Fescue	common
<i>Sesleria caerulea</i>	Blue Moor-grass	locally common
<i>Vulpia fasciculata</i>	Dune Fescue	Tofta Strand

Systematic List Number 2 Birds

The taxonomy and order of the following list largely follows Voous (1977, List of Recent Holarctic Bird Species). An indication of frequency of sightings is given by the number of days out of 6 a species was seen on – thus 4/6 means a species was noted on four days during the holiday (arrival day not counted). Species recorded in 2018 or earlier trips, but not in 2023 are enclosed with square brackets [e.g.].

Little Grebe	<i>Tachybaptus ruficollis</i>	One at Klintehamn. 1/6
Cormorant	<i>Phalacrocorax carbo</i>	Not uncommon around the coasts. 3/6
Grey Heron	<i>Ardea cinerea</i>	Scattered throughout. 6/6
[Great White Egret	<i>Ardea alba</i>	6 seen at Botvaldevik. 1/6 - 2018]
Mute Swan	<i>Cygnus olor</i>	Widespread. 6/6
Whooper Swan	<i>Cygnus cygnus</i>	2 at Stockviken and 1 at Stora Karlsö. 2/6
Greylag Goose	<i>Anser anser</i>	Locally common. 3/6
Barnacle Goose	<i>Branta leucopsis</i>	A few at Stora Karlsö. 1/6
Shelduck	<i>Tadorna tadorna</i>	Common along coasts. 6/6
[Wigeon	<i>Anas penelope</i>	Stockviken. 1/6 – 2023]
Teal	<i>Anas crecca</i>	Stockviken. 1/6
Mallard	<i>Anas platyrhynchos</i>	Scattered. 6/6
[Gadwall	<i>Anas strepera</i>	Stockviken. 1/6 – 2023]
[Garganey	<i>Anas querquedula</i>	Stockviken. 1/6]
Shoveler	<i>Anas clypeata</i>	Botvaldevik. 1/6
Tufted Duck	<i>Aythya fuligula</i>	Närsholmen. 1/6
Common Eider	<i>Somateria mollissima</i>	Widespread on coasts. 2 males with females and young off coast at Stora Karlsö. 4/6
Velvet Scoter	<i>Melanitta fusca</i>	Several off Stora Karlsö. 1/6
Red-breasted Merganser	<i>Mergus serrator</i>	Stora Karlsö. 1/6
Goosander	<i>Mergus merganser</i>	Stora Karlsö and Visby. 2/6
[Osprey	<i>Pandion haliaetus</i>	Fårö. 1/6 - 2018]
[Marsh Harrier	<i>Circus aeruginosus</i>	One female seen on Fårö. 1/6 - 2018]
Common Buzzard	<i>Buteo buteo</i>	Scarce. 1/6
White-tailed Eagle	<i>Haliaeetus albicilla</i>	1 seen at distance off Stora Karlsö. 1/6
Red Kite	<i>Milvus milvus</i>	1 seen en route to Närsholmen. 1/6
Common Kestrel	<i>Falco tinnunculus</i>	1 seen near Gannarve. 1/6
[Grey Partridge	<i>Perdix perdix</i>	Närsholmen, near Stockviken. 2/6 - 2018]
Pheasant	<i>Phasianus colchicus</i>	Scattered. 6/6
Coot	<i>Fulica atra</i>	Scattered. 2/6
Common Crane	<i>Grus grus</i>	2 seen near Klintehamn; 2 in wet field by road SW of Tingstäde. 3/6
Oystercatcher	<i>Haematopus ostralegus</i>	Widespread and common. 6/6
[Avocet	<i>Recurvirostra avosetta</i>	50+ at Stockviken - 2018]
Ringed Plover	<i>Charadrius hiaticula</i>	1 at Botvaldevik; 1 at Langhammers. 2/6
[Golden Plover	<i>Pluvialis apricaria</i>	Stora Karlsö. 1/6 - 2018]
Lapwing	<i>Vanellus vanellus</i>	Widespread. 5/6
[Dunlin	<i>Calidris alpina</i>	Stockviken. 1/6 - 2018]
[Common Snipe	<i>Gallinago gallinago</i>	Närsholmen. 1/6 - 2018]
[Woodcock	<i>Scolopax rusticola</i>	Närsholmen. 1/6 - 2018]

Whimbrel	<i>Numenius phaeopus</i>	1 at Närsholmen. 1/6
Curlew	<i>Numenius arquata</i>	Scattered. 2/6
Redshank	<i>Tringa totanus</i>	Widespread. 4/6
[Green Sandpiper	<i>Tringa ochropus</i>	Botvaldevik. 1/6 - 2018]
Black-headed Gull	<i>Larus ridibundus</i>	Widespread. 6/6
Common Gull	<i>Larus canus</i>	Scattered. 3/6
Herring Gull	<i>Larus argentatus</i>	Widespread. 6/6
Lesser Black-backed Gull	<i>Larus fuscus</i>	Scattered. 3/6
Great Black-backed Gull	<i>Larus marinus</i>	Scattered, several on Stora Karlsö. 3/6
Arctic Tern	<i>Sterna paradisaea</i>	Widespread. 6/6
Little Tern	<i>Sterna albifrons</i>	Scattered. 3/6
Guillemot	<i>Uria aalge</i>	Many seen on Stora Karlsö there are 15,000 pairs in the breeding colonies– superb views! 1/6
Razorbill	<i>Alca torda</i>	Many seen on Stora Karlsö there are 12,000 pairs in the breeding colonies– superb views! 1/6
Rock Dove	<i>Columba livia</i>	Widespread. 6/6
Stock Dove	<i>Columba oenas</i>	Widespread. 6/6
Woodpigeon	<i>Columba palumbus</i>	Widespread. 6/6
Collared Dove	<i>Streptopelia decaocto</i>	Visby. 1/6
Cuckoo	<i>Cuculus canorus</i>	Heard at Närsholmen and Kallgatburg. 2/6
Common Swift	<i>Apus apus</i>	Widespread. 6/6
[Black Woodpecker	<i>Dryocopus martius</i>	1 heard near Närsholmen. 1/6 – 2023]
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Widespread. Nest in Mullvalds änge. 4/6
Skylark	<i>Alauda arvensis</i>	Widespread. 6/6
Swallow	<i>Hirundo rustica</i>	Widespread. 6/6
House Martin	<i>Delichon urbica</i>	Widespread. 6/6
Tree Pipit	<i>Anthus trivialis</i>	1 at Kallgatburg. 1/6
Meadow Pipit	<i>Anthus pratensis</i>	A few in the south. 1/6
White Wagtail	<i>Motacilla alba</i>	Widespread. 6/6
Wren	<i>Troglodytes troglodytes</i>	Scattered. 3/6
Robin	<i>Erithacus rubecula</i>	2 in Visby and heard elsewhere. 2/6
Thrush Nightingale	<i>Luscinia luscinia</i>	Heard on Stora Karlsö. 1/6
Common Redstart	<i>Phoenicurus phoenicurus</i>	Kallgatburg. 1/6
Northern Wheatear	<i>Oenanthe oenanthe</i>	Locally common. 3/6
Blackbird	<i>Turdus merula</i>	Widespread. 6/6
Fieldfare	<i>Turdus pilaris</i>	Scattered. 2/6
[Song Thrush	<i>Turdus philomelos</i>	Scattered. 3/6 – 2023]
[Mistle Thrush	<i>Turdus viscivorus</i>	Scattered. 2/6 – 2023]
[Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	Scattered. 2/6 – 2023]
Reed Warbler	<i>Acrocephalus scirpaceus</i>	Stockviken. 1/6
[Great Reed Warbler	<i>Acrocephalus arundinaceus</i>	Stockviken. 1/6 – 2023]
Icterine Warbler	<i>Hippolais icterina</i>	Heard in Visby. 1/6
[Barred Warbler	<i>Sylvia nisoria</i>	1 heard on Stora Karlsö. 1/6 – 2023]
Lesser Whitethroat	<i>Sylvia curruca</i>	Widespread. 6/6
Common Whitethroat	<i>Sylvia communis</i>	Scattered. 1/6
Blackcap	<i>Sylvia atricapilla</i>	Scattered as at Gnismvård. 3/6
Wood Warbler	<i>Phylloscopus sibilatrix</i>	Scattered as at Gnismvård. 2/6
Chiffchaff	<i>Phylloscopus collybita</i>	Gnismvård. 1/6.

Willow Warbler	<i>Phylloscopus trochilus</i>	Common. 6/6
Greenish Warbler	<i>Phylloscopus trochiloides</i>	1 heard on Stora Karlsö. 1/6
Spotted Flycatcher	<i>Muscicapa striata</i>	Scattered. 2/6
Collared Flycatcher	<i>Ficedula albicollis</i>	Öja meadow. 1/6
Coal Tit	<i>Parus ater</i>	Scattered. 3/6
Blue Tit	<i>Parus caeruleus</i>	Widespread. 6/6
Great Tit	<i>Parus major</i>	Widespread. 6/6
[Nuthatch	<i>Sitta europaea</i>	Gnisvärd. 1/6 - 2018]
Common Treecreeper	<i>Certhia familiaris</i>	Toftastrand. 3/6
[Red-backed Shrike	<i>Lanius collurio</i>	1 male on Stora Karlsö. 1/6 – 2023]
Jay	<i>Garrulus glandarius</i>	Widespread. 6/6
Magpie	<i>Pica pica</i>	Widespread. 6/6
[Nutcracker	<i>Nucifraga caryocatactes</i>	1 heard near Närsholmen. 1/6 – 2023]
Jackdaw	<i>Corvus monedula</i>	Widespread near habitation. 6/6
Hooded Crow	<i>Corvus cornix</i>	Widespread. 6/6
Raven	<i>Corvus corax</i>	Scattered. 2/6
Starling	<i>Sturnus vulgaris</i>	Widespread. 6/6
House Sparrow	<i>Passer domesticus</i>	Near habitation. 6/6
Tree Sparrow	<i>Passer montanus</i>	Seen in Visby. 1/6
Chaffinch	<i>Fringilla coelebs</i>	Widespread. 6/6
Greenfinch	<i>Carduelis chloris</i>	Widespread. 6/6
Goldfinch	<i>Carduelis carduelis</i>	Widespread. 4/6
Siskin	<i>Carduelis spinus</i>	Toftastrand. 4/6
Linnet	<i>Carduelis cannabina</i>	Widespread. 5/6
[Common Crossbill	<i>Loxia curvirostra</i>	1 seen Närsholmen. 1/6 - 2018]
Common Rosefinch	<i>Carpodacus erythrinus</i>	Stora Karlsö. 1/6
Yellowhammer	<i>Emberiza citrinella</i>	Widespread. 4/6
Reed Bunting	<i>Emberiza schoeniclus</i>	Gnisvärd. 1/6

Systematic List Number 3 Butterflies

The taxonomy and nomenclature in this list is taken from Tolman's 'Collins Field Guide to the Butterflies of Britain and Europe' (1997). An indication of abundance is given by the number of days out of 6 that a species was recorded.

[Swallowtail	<i>Papilio machaon</i>	At least 2 on Fårö. 1/6 – 2023]
Large White	<i>Pieris brassicae</i>	Scattered. 2/6
Black-veined White	<i>Aporia crataegi</i>	Kallgatburg and near Faludden. 2/6
[Green-veined White	<i>Aporia napi</i>	Kallgatburg. 1/6 - 2023]
Wood White	<i>Leptidea sinapsis</i>	near Närsholmen. 1/6
Brimstone	<i>Gonepteryx rhamni</i>	1 near Galrum. 1/6
[Green Hairstreak	<i>Callophrys rubi</i>	Scattered. 2/6 – 2023]
Small Copper	<i>Lycaena phlaeas</i>	Scattered. 2/6
[Scarce Copper	<i>Lycaena virgaureae</i>	1 seen by Gael at Mallgårds. 1/6 – 2023]
Little Blue	<i>Cupido minimus</i>	Scattered. 2/6
[Geranium Argus	<i>Eumedonia eumedon</i>	Gnisvärd. 1/6 - 2018]
Amanda's Blue	<i>Polyommatus amandus</i>	Kallgatburg. 1/6
Common Blue	<i>Polyommatus icarus</i>	Widespread. 5/6
[Peacock	<i>Inachis io</i>	Stora Karlsö. 1/6 - 2018]
Red Admiral	<i>Vanessa atalanta</i>	Närsholmen. 2/6
Small Pearl-bordered Fritillary	<i>Clossiana selene</i>	Scattered, a few at Kallgatburg. 3/6
Glanville Fritillary	<i>Melitaea cinxia</i>	near Stockviken. 1/6
[Heath Fritillary	<i>Mellicta athalia</i>	Kallgatburg, Mallgårds. 2/6 - 2018]
[Marsh Fritillary	<i>Euphydryas aurinia</i>	Kallgatburg. 1/6 – 2023]
Meadow Brown	<i>Maniola jurtina</i>	Botvaldevik. 2/6
Small Heath	<i>Coenonympha pamphilus</i>	Scattered. 2/6
[Speckled Wood	<i>Pararge aegeria</i>	Gnisvärd. 1/6 – 2023]
Grizzled Skipper	<i>Pyrgus malvae</i>	Närsholmen. 2/6
Dingy Skipper	<i>Erynnis tages</i>	Närsholmen. 1/6
[Northern Chequered Skipper	<i>Carterocephalus silvicolus</i>	Mallgårds. 1/6 - 2018]

Systematic List Number 4 Mammals

Red Squirrel	<i>Sciurus vulgaris</i>	1 north of Öja. 1/6
Western Hedgehog	<i>Erinaceus europaeus</i>	2 seen dead on road, esp. near Visby. 2/6
European Hare	<i>Lepus europaeus</i>	At least 1 seen at Gnisvärd. 2/6
European Rabbit	<i>Oryctolagus cuniculus</i>	Toftastrand. 6/6
[Red Fox	<i>Vulpes vulpes</i>	1 seen on Fårö. 1/6 – 2023]
[Roe Deer	<i>Capreolus capreolus</i>	2 seen at Botvaldevik. 1/6 – 2023]
Grey Seal	<i>Halichoerus grypus</i>	9 seen off Stora Karlsö. 1/6

Systematic List Number 5 Reptiles

Grass Snake	<i>Natrix natrix</i>	1 seen at Kallgatburg. 1/6
Adder	<i>Vipera berus</i>	2 seen at Langhammers. 1/6
Common Lizard	<i>Zootoca vivipara</i>	1 seen at Kallgatburg. 1/6

Systematic List Number 6 Fungi

The following list of fungi was compiled by Tim Bruning who notes “*It wasn’t easy to find fungi during the dry weather we experienced. The best area was the pine/spruce forest behind the dunes at Tofta where there was a lot of dead wood. There were some ascomycetes in the fens and the shaded parish meadows.*”

ASCOMYCETES

Scutellaria scutellata - ‘Eyelash Fungus’. Orange disc with black hairs round the rim, confirmed microscopically. Gnisvard, 10th June, on a rotten birch stump in the meadows behind the dunes

Mollisia humidicola, shining grey/white discomycete 1-2mm. Faro 9th June, on sedge rhizomes and stem-bases in fen

Crocicreas cyathoidea -tiny goblet on a stalk, widely distributed in spring/summer - Mullvalds Ange parish meadow 4th June, in partial shade, on last year’s grass stems lying on ground; Kallgatburg, 5th June, on *Filipendula* stems in fen-meadow.

Crocicreas culmicola – similar, smaller, confined to grass. Faro 9th June, on grass stems lying on ground, fen-margin.

Diaporthe lirella -making black blisters with slit-like openings on stems of *Filipendula*. Öja church meadow, 7th June, locally abundant in partial shade.

[One hysteroid like tiny black grains on dead leaves, found on *Berberis vulgaris* at Tofta Strand, is yet to be determined and may not be in UK books!]

BASIDIOMYCETES

Rusts

Tranzschelia anemones -rust on leaves of *Anemone nemorosa*, black telial stage, Galrum 1st June, found by Ian Benniallick

Puccinia coronata – rust on leaves/shoots of *Rhamnus cathartica*, golden aecial stage, Tofta Strand 5th June forest edge behind dunes

Puffballs

Bovista plumbea -occasional in short meadow turf, widely distributed, Stockviken 7th June, observed by several group members

Gill and pore fungi

Fomitopsis pinicola - bracket, starts with an orange-red lacquered top then goes black, rare in UK common in N C Europe. Tofta Strand found by Fiona Dunbar then Tim Bruning 10th June, locally abundant on fallen dead pine and spruce in forest behind dunes, at several stages of maturity, this year’s just starting up

Pelloporus leporinus - buff, velvety bracket, not in UK, frequent in boreal zone, Europe. Kallgatburg 5th June found by Kate Bruning, one large fruit body on spruce stump

Anomoporia bombycina – resupinate (crust) polypore with minimal marginal caps, probably not in UK, common in boreal zone Europe. Tofta Strand found by Fiona Dunbar and Tim Bruning 10th June, two patches on fallen spruce log

Calocybe gambosa, 'St George's Mushroom'. Kallgatburg, 5th June, in quantity, mainly older and dried up fruit-bodies, often in rings round hazel in open woodland