

Gotland – Wildlife at Leisure 2023

Led by Ian Bennallick

A Greentours Trip Report

Daily report and species lists compiled by Ian Bennallick

Travel day - 3rd June 2023 – London to Gotland

Ian met with Gael and Graeme, Helen and Peter at departures with all having an early start for a 6:40 flight to Stockholm. Arriving just after 10am we had plenty of time for the 1pm flight to Visby, though we had a long walk between terminals. We arrived to a sunny and cool Gotland and soon on the way to Suderbys Hotel passing the gardens of Visby with fully-flowering purple and white Lilac bushes and yellow Laburnum. We arrived at 3pm, with a chance to relax after a very early start. Sadly, the hotel was not offering evening meals but had booked us into a restaurant in Visby, only 15 mins drive away, for 18:30. Eva-Lisa at the hotel informed us that the hotel had been sold to the nearby military base and we were almost the last guests. The sister place at Tofta Strand on the coast will still be running. We arrived at Visby Hof restaurant only for them to say they had not taken our booking so we were put on a table outside but in a very cool wind, but as we moved to a sunnier table, they took pity on us and moved us inside for desserts. A very good meal of Gotland 'lambrosbiff' or duck with crème brulee or orange cake for dessert. Not far from where we parked the van by the south gate (Yellow Corydalis (*Pseudofumaria lutea*) seen on the wall by Gael) to Visby old town we called into the ICA supermarket and bought some provisions for the next day's picnic. We arrived back at the hotel at 8pm.

Day 1 - 4th June 2023 – Gannarve; Närsholmen; Mullvalds änge; near Ardre church

A sunny day with the same cool wind but lots of Swift, Swallow and House Martin flying around the hotel with Skylarks over the adjacent fields and Fieldfare noisily rattling around the fine fully-flowering Whitebeam and Horse Chestnut trees in the hotel grounds. We had breakfast at 8 and despite the five of us the only guests we still had the full spread. We left at 9:15 and drove south through Klintehamn and then a few kms on the Burgsvik road. We stopped at the stone boat at Gannarve with a view west to the two islands offshore, Lille Karlsö and Stora Karlsö. The ground was dry and vegetation on the light soils was already crisping up with the recent dry weather, but we saw some flowering Common Rock-rose (*Helianthemum nummularium*) and Nottingham Catchfly (*Silene nutans*) as well as Goat's-beard (*Tragopogon pratensis*) and Field Cow-wheat (*Melampyrum arvense*) by the road. We drove on south and then southeast towards Hemse then the road towards När, taking to road south to the Närsholmen reserve. We drove in along the track through pine and oak forest then onto open dry grassland dotted with juniper. Patches of Hairy Milk-vetch (*Oxytropis campestris*) dotted the grassland, the only site on Gotland. The whole area was covered in seeding plants of Small Pasqueflower (*Pulsatilla pratensis*) the large seedheads starlike and feathery shimmering in the wind. We parked by pine trees a few hundred meters before the red and white striped lighthouse and started exploring towards the sea. The old shingle berms were dry but in the lower parts between the ridges the vegetation was still green and despite the Elder-flowered Orchid (*Dactylorhiza sambucina*) already over we saw some Early Purple orchid (*Orchis mascula*) and Twayblade (*Neottia ovata*). Patches of Bloody Crane's-bill (*Geranium sanguineum*) were not as flowery as other years, due to the dry conditions, but some Basil-thyme (*Clinopodium acinos*) and Chalk Milkwort (*Polygala calcarea*) were found. In some shadier spots under juniper bushes or on the edge of the pine trees Small Pasqueflower still had some fresh flowers. Yellowhammer was singing, Wheatear, Skylark and Lesser Whitethroat were around and three Spotted Flycatcher were seen. The wind was very cool coming straight off the sea but as we went into some damp grassland the shelter and warm sun was welcome. Drifts of Water Avens (*Geum rivale*) mixed with Meadow

Saxifrage (*Saxifraga granulata*) coloured the flowery grassland and Gael found a few Burnt-tip Orchids (*Orchis ustulata*) with two fresh yellow Elder-flowered Orchid close by. Ian located some Adder's-tongue fern (*Ophioglossum vulgatum*) amongst the vegetation and in another sunny area sheltered by the wind a few Small Heath, Grizzled Skipper, and Common and Little Blue butterflies were flying. A Cuckoo called in the distance and a Hare lolloped across the grassland not too far away. We made our way back to the van and had our picnic at 1pm. After the picnic the group walked to the lighthouse. There were some nice patches of Bloody Crane's-bill below the lighthouse with Nottingham Catchfly and lots of blue Viper's-bugloss (*Echium vulgare*), but not yet at its flowering best.

From Närsholmen we drove along an unmetalled road towards Nar and stopped at some damp meadows by the road where there were some fine Military Orchids (*Orchis militaris*) flowering with Green-winged (*Anacamptis morio*) and Early Purple Orchid, Twayblade and some Lesser Butterfly orchids (*Platanthera bifolia*) not yet flowering. Peter found a group of pale pink Early Purple Orchids coloured like strawberry milkshake. The grassland was very dry in places and some orchids were already going over but two groups of Burnt-tip Orchid were on the drier area. In the shade of the woodland a patch of Wood Anemone (*Anemone nemorosa*) still had fresh flowers and a bush of Barberry (*Berberis vulgaris*) was laden with yellow flowers which the bumble bees were heading for, including the lovely gingery *Bombus pascuorum* bee. A raucous rattly call and a brief sighting of a Nutcracker in the nearby pines was followed by loud drumming of Black Woodpecker like machine gun fire in the distance.

Moving on we headed towards 'Mullvalds änge' the parish meadow for Ardre parish. The 'meadow' is managed traditionally and an information board at the entrance illustrated the process – from raking the leaves up of the tall oaks and ash trees, coppiced Hazel (*Corylus avellana*) and other bushes in the autumn to scything the meadow in summer when the Yellow-rattle (*Rhinanthus minor* and *R. serotinus*) seedpods rattle. This management has created a very rich grassland not dominated by a single species and with areas of well-lit glades and dappled shade, woodland and meadow plants mingled with species of drier conditions. The meadow had several orchid species and is known in Gotland as a good place for Frog Orchid (*Coeloglossum viride*) which we saw many hidden amongst other vegetation. Large patches of Military, Green-winged and Early Purple Orchid (including two pure white flowered forms), Twayblade and several Fragrant Orchid (*Gymnadenia conopsea*) were with scattered Meadow Saxifrage, some fine clumps of purple Wood Crane's-bill (*Geranium sylvaticum*), yellow Viper's-grass (*Scorzonera humilis*) and Leafless Hawk's-beard (*Crepis praermorsa*) with Herb Paris (*Paris quadrifolia*) and Lily-of-the-Valley (*Convallaria majalis*) flowering in shadier spots. A few Harebell (*Campanula rotundifolia*) were flowering on the more open areas. A Great Spotted Woodpecker nest in a tree by the entrance held noisy chicks pleading for food and the adult birds were going to and fro with food.

We drove back towards Ardre church and stopped briefly to see a restored picture stone which had some strange markings. This and others were found under the floor of Ardre church when restoration took place in 1902 and are now held in the museum. We took the road back towards Romakloster, the roadsides through forest with flowering Angular Solomon's-seal (*Polygonatum odoratum*) in places, then to Visby and back to Suderbys at 16:40. The hotel had kindly reserved a table at the 'Jo da' bar by the waterfront at Visby for 6pm so we had 45 mins to freshen up. The 15 min drive to Visby saw us there by 17:50 and parking by the harbour the place was abuzz with people out and about, eating and drinking in the restaurants enjoying the sunshine. We had some very nice food at Jo Da with lamb, baked cod or Caesar salads and booked ourselves for the next night. Back to the hotel by 19:30 we then had time to relax.

Day 2 - 5th June 2023 – Fårö; Digerhuvud; Helgumannen; Langhammars; Fårö Fyr, south of

A warmer day with sunshine from the start. After another good breakfast we left at 9:15 and stocked up the picnic from the ICA supermarket in Visby, then drove the 45 minutes to Fårösund for a day on the northernmost island of Fårö. As we drove along, we passed a good display of poppies on the banks near Visby airport, and further along on the limestone alvar by the road a huge swathe of blue Asian Flax (*Linum austriacum*). Helen saw a Red Kite. We got to the free ferry at Fårösund at 10:35 just in time to catch it and across to Fårö which takes only 6 minutes. We drove to Fårö church then north towards Lauters. The island is wilder with thin soils over alvar (limestone pavement) covered in patchy pine forest or juniper scrub with small lakes or marshes between and some fields used for growing grass or potatoes. With lots of signs for 'Lammskin' the island is famous for the Gotland sheep. As with other parts of Gotland everything was very dry and areas of grassland green on previous trips were brown with the early summer drought. In some places there were patches of purple Chives flowering. Some of the buildings we passed were interesting as they still had the old style of roofs thatched with saw sedge and looking like Dougal out of the 1970s children's programme 'The Magic Roundabout', and small windmills shaped like pepper pots. We stopped at a marshy area near Lauters where Ian had spotted some Early Marsh-orchids (*Dactylorhiza incarnata*) from the road. Some nice pink-flowered *Dactylorhiza incarnata* subsp. *incarnata* and dark pink-flowered subsp. *pulchella* but no creamy-white subsp. *ochroleuca* this year. We found several Military and Early Purple orchids but rather small probably due to the drought or maybe the recent cold weather. Ian found some Early Purple orchids that had been dug up the flowers left and tubers gone. In a previous year Ian and the group had seen the orchid thieving culprits before coming across their excavations – Common Cranes! Most likely it was a Common Crane that had struck again. Graeme found some Sword-leaved Helleborine (*Cephalanthera longifolia*) behind a wall and this species proved to be widespread for the rest of the time on Fårö, but lower in numbers than previous years and smaller, again an indication of the dry conditions.

We drove north and onto the coastal road north through Digerhuvud park over berms of limestone pebbles and stopped at an area of limestone stacks for some photos. Ian looked for the rare *Arenaria gothica*, a sandwort, but with the others could find only leaves. Driving on we stopped near the small group of wooden fishing huts Helgumannen and after some photos had our picnic at 12:30pm by the small car park where Ian looked for and found some Dark-red Helleborine (*Epipactis atrorubens*) still very small and a couple of weeks from flowering. As we drove off a Swallowtail butterfly flew past the van. We made a stop at Langhammars with some tall limestone stacks one shaped like a profile of Queen Victoria. The Swallow-wort (*Vincetoxicum hirundinaria*) a poisonous plant with pale yellow flowers was abundant in between the Juniper (*Juniperus communis*) scrub and on open areas and Ian with Graeme and Gael saw some of the Black-and-Red-bug (*Lygaeus equestris*), that live on the juices of the Swallow-wort. A metallic chafer beetle was also seen. As we drove back south along the limestone pebble beach the road goes through an Arctic Tern colony, and as we slowed for Peter to take a photo from the van an agitated tern almost came in the van window! We drove to the main road and turned east past Sudersand, where families of Greylag Goose were seen by the sea, and on the road north of the lighthouse at Fårö Fyr, east of Ullahau. This roadside goes through pine forest over the acidic sand dunes derived from granite and have a different vegetation to other parts of Gotland with Heather (*Calluna vulgaris*), Cowberry (*Vaccinium vitis-idaea*), Crowberry (*Empetrum nigrum*), Bilberry (*Vaccinium myrtillus*) common. Ian had found One-flowered Wintergreen (*Moneses uniflora*) along the roadside in past trips as well and good patches of Sword-leaved Helleborine. As we drove along the road Gael saw a Bird's-nest Orchid so we stopped and soon found more on both sides of the road, but we could not find any One-flowered Wintergreen but some Serrated Wintergreen (*Orthilia secunda*) and one Common Wintergreen (*Pyrola minor*) was found but sadly no flowers. Same with small patches of Twinflower (*Linnaea borealis*) and Sword-leaved Helleborines were very sparse and again rather small. However, there were some nice patches of Chickweed Wintergreen (*Trientalis europaea*) in full flower and Graeme

found some Wood Anemone still flowering but with drooping flowers purple on the back. Ian looked further in woodland and found some very large Lily-of-the-valley plants flowering, and the others spotted some Coral-root (*Dentaria bulbifera*). With everyone needing some refreshments we stopped at the Ebbas restaurant and shop for coffees and ice creams and once refreshed drove back to the ferry and after getting straight on drove back to Visby and Suderbys hotel arriving at 5pm. We drove to Visby at 6:30pm for our 7pm booking at So Da restaurant again. On our drive back to the hotel at 9pm a Fox sauntered across the road.

Day 3 - 6th June 2023 - Tingstäde Church; Kallgatburg reserve; north of Anga; Botvaldevik, north of

Another sunny day which warmed to 24 degrees in the afternoon. Leaving at 9:15 we made a quick stop at the ICA supermarket to top up the picnic, and as it was Sweden's 'National Day' we bought a Smörgåstårta – a savoury sandwich cake of white bread, meat, mayonnaise, and other savoury goodies. Not far out of Visby, by the airport near the road to Fårösund, we stopped to admire a huge bank of red Common Poppy. Helen found some Catmint (*Nepeta cataria*) probably introduced here. Driving on north we stopped at an area of alvar by the road where there were swathes of blue Asian Flax, on ground disturbed by the road. Common Rock-rose and the blue-flowered Common Globularia (*Globularia vulgaris*) was also flowering and a Small Pearl-bordered Fritillary was seen. Moving on we stopped for a look at Tingstäde Church, one of many Gotland churches so well cared for and with interesting features. We drove south towards Hejnum passing a large lake to the east, Tingstädeträsk, and driving through rough areas near the lake Peter saw a Common Crane by the roadside. We made a trial drive into the reserve Hejnum Höllar, but this proved to be the wrong track to go the Kallgatburg reserve so we returned to the road drove half a mile south and saw the sign posted for the track east to Kallgatburg reserve – for our quarry, the large colony of Lady's-slipper Orchids (*Cypripedium calceolus*). Driving through the open pine forest and juniper scrub on the alvar showed how dry the conditions have been this spring – most grass was brown and the patches of Angular Solomon's-seal were wilting. We arrived at the small car park at 11am, all kitted out for the approximate 2km walk to the Lady's-slipper Orchid colony. The first part of the walk goes through open pine and broad-leaved tree forest with a varied ground flora, with Columbine (*Aquilegia vulgaris*), Sanicle (*Sanicula europaea*), Cowberry, Ramsons (*Allium ursinum*) (many patches still flowering well), Angular Solomon's-seal, Lily-of-the-valley, May Lily (*Maianthemum bifolium*) and Wood Crane's-bill. Opening out into a grassy area we admired some pink Sticky Catchfly (*Lychnis viscaria*) plants. The path goes down into a fen area which was drier than normal but a cattle-poached area by a small stream had Common Butterwort (*Pinguicula vulgaris*), Bird's-eye Primrose (*Primula farinosa*) and Dragon's-teeth (*Lotus maritimus*), all three widespread in fen areas further on. Little Blue and Small Pearl-bordered Fritillary butterflies were flying as well as Broad-bodied *Libellula* dragonflies. A Tree Pipit sang and Cuckoo was calling not far away. Gael spotted a Fly Orchid (*Ophrys insectifera*) and several Lesser Butterfly Orchids were looking fresh, more were seen as we walked through the fen area that is grazed by cattle with many Twayblade. The path goes through a small Yew wood and Ian found a late flower of Liverleaf (*Hepatica nobilis*), a plant that is usually over by early May. A strange season for Gotland confirmed by a local Visby couple also walking to see the Lady's-slipper Orchids who said that it had been a cold and dry early spring, and continuing dry weather was not helping the spring and early summer flowers.

The path goes through more open pine woodland with whitebeams (*Sorbus* spp.), Alder Buckthorn (*Frangula alnus*), Buckthorn (*Rhamnus cathartica*), Downy Birch (*Betula pubescens*) and other species and then into fen areas with scattered pines and junipers. A small flush area had several white-flowered Alpine Butterwort (*Pinguicula alpina*) in flower. We passed several Early Purple Orchids and Sword-leaved Helleborines as we walked along, but in one fen area we stopped to check some Early Marsh-orchids which had heavily purple-spotted leaves and bracts – subsp. *cruenta*. Ian spotted a Marsh Fritillary and a Wood White. We arrived at the target destination at 12:30 and following the small paths through the open woodland on the edge of the fen we saw the first of the

Lady's-slipper Orchids in perfect condition. We took some time looking at the beautiful orchid flowers and as we walked through the woodland found more patches of flowers. Pleased at how fresh they looked in this dry spring we returned along the path to have our picnic at the small car park at 2pm.

After the picnic we drove south onto the road towards Gothem then south towards Anga. A few kms north of Anga is an area by the road (by a signpost 'Fjäle') where Spitzel's Orchid (*Orchis spitzellii*) grows – seen here by Ian and a previous Greentours group in 2018 and other years before. We had a look in the open pine forest but as the season was so dry we could not find any. With some time still left we drove north of Gothem and east towards Botvaldevik, taking a small forest road north before reaching the coast that goes north then a right track towards the sea. Ian managed to find the right track and when the usual parking spot on limestone pebble beach berms appeared he knew it was the right place. South along a track through a fen area is an area of open pine forest formed over the old beach ridges. The main species to find was Red Helleborine (*Cephalanthera rubra*) which in other years had been flowering and even a hybrid with it and the earlier flowering Sword-leaved Helleborine was found. This year there were plenty of fresh Sword-leaved, but the Red Helleborine were still a couple of weeks from fully flowering though one plant had one pink bud forming. Also scattered were plants of Dark-red Helleborine but these were still very small. However, there were some very large Bird's-nest Orchids (*Neottia nidus-avis*) and a few Common Wintergreen in bud. Another orchid seen here in the past is Lesser Twayblade (*Neottia cordata*) a very small orchid that grows on mossy hummocks in the forest but despite searching Ian could not find any – the area looked too dry this year. As we walked back to the van, we looked at the small bushes of Fly Honeysuckle (*Lonicera xylosteum*) in full flower. With the help of Graeme and Gael we navigated our way back west to Suderbys across the middle of Gotland via several villages and arrived at 5:30. We all met at 6:30 to drive into Visby where we ate at the Jo Da restaurant again for a good meal at 7pm.

Day 4 - 7th June 2023 - Stora Karlsö; Gnisvärd

An early start with breakfast at 7:30 as we had to leave by 8:15 am to drive to Klintehamn to catch the boat to Stora Karlsö at 9:30. We had a very smooth 30 min trip over a glass like sea and soon disembarked in the north harbour in Stora Karlsö. A reserve with the largest breeding colony of Razorbill (6,500 pairs) and Guillemot (7,000 pairs), the low scrub and trees are often a stop-off for migrant birds. The weather was warm and sunny with a soothing breeze cooling us down. After ordering our lunch from the small restaurant, we joined the guided walk by the museum buildings but as we were five English speakers tagging along with a large group of Swedes we soon separated and did our own thing. Walking along the beach hundreds, if not thousands, of Guillemots and Razorbill were on the sea with a few Velvet Scoter and small families of Eider. Barnacle Geese and Redshank were along the beach and Arctic Terns from the breeding colony east of the scattered buildings in the north harbour, were flying and swooping around the bay. Steps took us up to the upper part of the low cliffs to the limestone plateau above where the dry early summer weather had parched the vegetation. Grassy areas over limestone were brown but Spotted Cat's-ear (*Hypochaeris maculata*) was flowering well as well as lots of Swallow-wort, Common Rock-rose, and Biting Stonecrop (*Sedum acre*) with some Common Globularia and Sticky Catchfly still flowering. Other species of limestone grassland were seen including Basil-thyme, Marjoram (*Origanum vulgare*) and Small Scabious (*Scabiosa columbaria*) but the few flowers of Elder-flowered Orchid were well over.

We stopped by the old lighthouse where House Martins had made many nests – profiting from the flies from the sea-bird breeding cliffs. We stopped at one viewpoint and the cliffs and rocks below were a cacophony of calls and noises from Razorbills and Guillemots with thousands of birds. Helen and Graeme saw a pair of Guillemots in copulation close to the cliff edge! A Razorbill was conveniently only feet away from the cliff-top affording some very good chance of photos. We walked on through scrub and a Thrush Nightingale was singing very close from a bush – such a sweet

song some say is even better than Nightingale. With lunch being served between 12:30 and 2pm we walked briskly back passing several feathery-foliaged plants of 'Varadonis' or Yellow Pheasant's-eye (*Adonis vernalis*) which in spring has large yellow flowers, but all gone by this time, Yellow Anemone (*Anemone ranunculoides*) which had already flowered and some very pink-flowered Villous Downy-rose (*Rosa villosa*). Ian spotted a Red-backed Shrike and an Icterine Warbler was singing loudly and heartily from a dying Ash tree, the yellowish-cream bird easily seen. Part of its repertoire is a phrase like a squeaky dog toy! Also heard in the trees were Stock Dove, Thrush Nightingale and in areas near the buildings Common Rosefinch, Willow Warbler and Barred Warbler. We arrived at the restaurant at 1pm and soon tucked into Rainbow trout or a spicy cauliflower and chickpea stew. With the boat departing at 15:00 we all had an hour to wander around or relax. The return crossing was smooth and we reached the car park back in Klintehamn at 15:30. A short drive north we stopped by the small fishing huts at Gnisvärd, just north of Tofta Strand (beach). The weather was very warm so we explored the damp grassy areas behind the beach south of the huts. With the early summer drought, the lower areas of the stable dunes were still green and there were some huge plants of Military Orchids, in several groups of many plants. Pyramidal Orchids (*Anacamptis pyramidalis*) were scattered but still in bud, but Twayblade was fully out and pale pink and magenta-coloured forms of Early Marsh-orchid were also present. Ian found a few Moonwort (*Botrychium lunaria*) plants, and Helen a large patch of Lyme-grass (*Leymus arenarius*) by the sea. With the hotel not far away, we left at 16:45 and back at 5pm. With a table booked in a restaurant for 18:15 we met at 17:45 and soon in Visby to the Gamla Masters restaurant where we had some very good meatballs or duck, then local Gotland strawberries and ice cream after. A quick trip to the supermarket to top up the picnics for the last two days and we were back at Suderbys at 8pm.

Day 5 - 8th June 2023 - Öja church and meadow; Faludden, near; Hamra, north of; Vamlingbo; Muskmyr; Stockviken

Another sunny day and after breakfast at 8am we headed south at 9:15. It took 45 mins to get to the first stop - Oja church and meadow. After a look at the church and the interesting wall paintings, we had a look through the meadow. Many Fragrant Orchids were flowering with a few Military orchids and Twayblade, with a species-rich mix of Meadow Saxifrage, Viper's-grass, Yellow-rattle, Devil's-bit Scabious (*Succisa pratensis*) and Ox-eye Daisy (*Leucanthemum vulgare*). A few Small Pearl-bordered Fritillary were flying around. A quick look at a dumped pile of earth by the car park added Flixweed (*Descurainia sophia*), Field Pennycress (*Thlaspi arvense*) and Hairy Buttercup (*Ranunculus sardous*). It was getting hot in the sun so we moved on at 11am to a couple of kms south where two windmills are in a rough field at the junction to Faludden. As Ian peered over the stone wall it looked very different since his last visit in 2018 when the field was full of lush Military, Burnt-tip, Green-winged, Early Marsh, Fly and Lesser Butterfly Orchids. Though all the above were still present the meadow was very dry and the grass was browning in places, and there was a herd of cattle that had been grazing! Better luck next year!

Despite a disappointing lack of orchids, we carried on to the road north of Hamra where it goes through some usually damp areas on the edge of pine forest. We stopped by the road opposite an area bounded by a stone wall and explored the hummocks – an area usually wet and muddy in other years and usually where Musk Orchids (*Herminium monorchis*) have been seen. Disappointingly dry, we did find some Twayblade, Early Marsh, Fly, Lesser Butterfly, and Military orchids but no Musk Orchid. However, Gael found some flowering Norfolk Skullcap (*Scutellaria hastifolia*) and we added the creamy white and pale-yellow Early Marsh-orchid (*Dactylorhiza incarnata* subsp. *ochroleuca*) to the list. Cuckoo, Yellowhammer and Willow Warbler were singing nearby and a Brimstone was seen. There was a patch of some very good Sword-leaved Helleborine by the road and at least one Bird's-nest Orchid was seen. Getting close to lunchtime we drove south to Vamlingbo and in the shade of a huge Whitebeam pollard by the church we had our picnic in the shade. We spent some time looking

in the church then a short walk over to the Lars Jonsson Museum where we had a coffee and cake with Lars's wonderful paintings of birds and flowers exhibited on the wall.

We drove further south to Muskmyr, a large sedge-fen reserve with some water in the lake. Walking down towards the edge Early Marsh-orchids were flowering, with all four subspecies present – *cruenta*, *ochroleuca*, *incarnata* and *pulchella*. Gael found some Greater Butterfly-orchid (*Platanthera chlorantha*) still in bud. The lake was quiet with only a few gulls and Tufted Duck present. No dragonflies either so maybe the dry spring had hit these too? We drove north and stopped at the small museum at Bottarve where the large barn roof is of the old traditional design of covered in saw sedge, the plant we had just seen at Muskmyr. After a few photos we headed for the last stop at Stockviken a lake and reedbed area on the east coast, a few kms away. On the drive in we saw a Curlew and Lapwing in a field, with a Red Kite overhead being mobbed by a Jackdaw. Walking down to the bird tower (Fågeltorn) with many skylarks singing overhead, the large population of Green-winged Orchid was looking frazzled but some fresh ones were still present and Yellow-rattle, Military and Burnt-tip orchids were still looking fresh. In an open area Ian found Mousetail (*Myosurus minimus*), Celery-leaved Buttercup (*Ranunculus sceleratus*) and Marsh Arrowgrass (*Triglochin palustris*), and Gael some Moonwort. Ian looked for Grass-of-parnassus (*Parnassia palustris*) and found at least one plant with a flower, and Peter and Helen found a nice pale pink form of Early Purple Orchid. In one area there were some fresh plants of Mountain Clover (*Trifolium montanum*), a most attractive clover. We had a look in the bird tower over the lake and reedbed but it was quiet, with Grey Heron, Lapwing, Black-headed Gull, Coot, Gadwall, Wigeon and Mallard seen, but the hoped-for White-tailed Eagle did not make an appearance! After a coffee provided from the hotel there was a minor panic when Gael realised she had left her bag at the Lars Jonsson museum, so we headed a few kms back and luckily there it was where Gael had left it. Heading north back to Suderbys took 45 mins so we arrived at 17:15, and met again at 18:30 to drive into Visby for a meal at Restaurant Torgkrogen – pork, beef and Caesar salads and all very good. A short trip to the ICA supermarket and a fill up of diesel and we were back to the hotel by 9pm.

Day 6 - 9th June 2023 - Mallgårds flush fen; Tofta Strand; Visby

A cool and windy morning with blue sky and sun as it had been every day so far. Breakfast at 8am and leaving at 9:15am for a short drive south to several kms south of Klintehamn to Mallgårds flush fen reserve within the pine forest. In the forest leading to the fen were some flowering May Lily. Onto the fen and as a place that is usually the last to have water in a parched summer it is a place for the local 'Russ' ponies, semi-wild ponies that had been introduced by the stone-age population, to come and drink. The ponies graze the fen turf and poach the areas but some plant species require the open conditions so this management is good. Lots of Bird's-eye Primrose were flowering and Common Butterwort was numerous with some German Asphodel (*Tofieldia calyculata*), and a few Bogbean (*Menyanthes trifoliata*) still in flower. Some water was left in the stream with masses of Moor Frog tadpoles battling for space. A pair of Lapwing were agitated as we were probably impinging on their breeding area, but they kept their distance. Ian looked for a patch of Great Sundew (*Drosera anglica*), normally in one small area, but the horses had poached the ground that no new plants could be seen, but several Alpine Butterwort and small examples of the Alpine Bartsia (*Bartsia alpina*) were found, a plant that is extremely rare in southern Sweden. Early Marsh-orchids were scattered with a few subsp. *ochroleuca*. The windy weather meant that there were few butterflies flying, mostly Small Pearl-bordered Fritillary. Gael saw a very bright orange butterfly and it is almost certainly a Scarce Copper which has been seen here by previous groups. As we walked back towards the entrance several ponies with a couple of foals appeared and came down to drink at a pool.

We left at 11am and headed north to Tofta Strand, where we parked at the sister hotel of Suderbys, Tofta Standpensionat, which was still closed for the season. The damp dune slacks between the hotel and the beach are usually very good for orchids in other years but the cool and dry spring

meant that many were stunted or frazzled. Some damp areas still had a few very small Marsh Helleborine (*Epipactis palustris*) forming and the drier areas under young pines Dark-red Helleborine, some tantalisingly close to flowering, as well as a few Military Orchid, but most vegetation was suffering in the drought. However, Early Marsh-orchids were scattered around looking fresh and we found a patch of flowering Round-leaved Wintergreen (*Pyrola rotundifolia*) with some large Twayblade. Walking on the dunes added Sea Sandwort (*Honckenya peploides*) and the wonderful blue-green Lyme-grass, and in a small dune slack Ian found Variegated Horsetail (*Equisetum variegatum*). Getting close to 12:30pm we checked with the Strandpensionat about using some tables and chairs outside for our picnic. All OK so we enjoyed our picnic overlooking the sand dunes and Baltic Sea in the shade of some pines.

With a planned visit to Visby in the afternoon and staying on for an early dinner at Torgkrogen Restaurant, we drove back to Suderbys to refresh ourselves before the afternoon. As we came to the entrance to Suderbys Ian spotted a White-tailed Eagle circling overhead – why go to the birds when the birds come to the hotel! We left Suderbys at 2pm and the plan was to park in the car park by Visby Port. Bad idea as the place was packed with people – we had chosen the day trip to Visby the same time as what seemed like all of Visby was out celebrating the graduation of the high school 18-year-olds. We decided to park in the car park near the east gate to the city, as Lena from Suderbys had shown us the best viewpoints overlooking Visby. We walked down the small streets along the 'North Cliff' adding a few street weeds to the list and all headed down to the Botanical Gardens. Here Ian left the group to explore for themselves. We all met at Torgkrogen at 17:30 and had an early dinner. The others had managed to visit the excellent Gotland Museum, see some ruined churches, and get an ice cream from the big ice cream shop on the front by the port. We were done by 18:30 so a quick drive back to Suderbys for an early night.

Day 7 - 10th June 2023 - stone boats at Gnisvärd; Högklint; Visby to Stockholm and London

With around three hours in the morning before we had to get the hire van back, we made a couple of stops to places local to the hotel. With everyone packed ready to go we left at 9:15 with the plan to return at 11am for a coffee before we leave for the airport with the bags. The first stop was a few kms south to the stone boats at Gnisvärd. There are two in woodland just off the road so we spent half an hour having a look. Chiffchaff and Blackcap were singing -the first time these have been heard on the trip. A Wood White was the only butterfly we saw – 2023 appears to be a poor year for butterflies in Gotland. Driving further north we had a look at the cliff at Högklint, just west of the hotel. Despite the modest size (compared to cliffs in Cornwall or New Zealand!) there is a good view south, and north towards Visby. The limestone cliffs are accessible in one place with steps down and here we found Rock Whitebeam (*Sorbus rupicola*), Madwort (*Asperugo procumbens*) and Greater Celandine (*Chelidonium majus*). The areas between the car park and the cliff had lots of the large-leaved umbellifer Broad-leaved Sermountain (*Laserpitium latifolium*). Not many birds were seen but a few Goosander and a single Red-breasted Merganser were on the sea. Heading back south towards the hotel we stopped by the edge of a cornfield where the corner had escaped the sprayer and a fine display of Common Poppy (*Papaver rhoeas*), Long-headed Poppy (*P. dubium*) and Prickly Poppy (*Roemeria argemone*) with Corn Chamomile (*Anthemis arvensis*), and the beautiful blue-flowered Cornflower (*Centaurea cyanus*). Other species included Narrow-fruited Cornsalad (*Valerianella dentata*), Sun Spurge (*Euphorbia helioscopia*) and Common Fumitory (*Fumaria officinalis*). A good cup of coffee and cake back at the hotel and we then left for the airport. The flight to Stockholm was quick – in a jet engine plane rather than a propeller one – so we arrived early. Peter, Helen and Ian said farewell to Graeme and Gael, who were travelling to see family and friends in the Stockholm archipelago before a trip to Austria then New Zealand, and had a smooth flight back to Heathrow which was rather hot to 30 degrees c – the start of a short English heatwave.

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 2023 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 (CLUBMOSES AND QUILLWORTS)

Lycopodiaceae

Lycopodium annotinum

[*Lycopodium clavatum*

Clubmoss Family

Interrupted Clubmoss

Stag's-horn Clubmoss

Kallgatburg, Ullahau

Ullahau]

EUSPORANGIATE FERNS (ADDER'S-TONGUES AND MOONWORTS)

Ophioglossaceae

Botrychium lunaria

Ophioglossum vulgatum

Adder's-tongue Family

Moonwort

Adder's-tongue

Gnisvärd, Helgumannen

scattered e.g. Öja meadow

CALAMOPHYTES (HORSETAILS)

Equisetaceae

Equisetum arvense

Equisetum fluviatile

Equisetum palustre

Equisetum variegatum

Horsetail Family

Field Horsetail

Water Horsetail

Marsh Horsetail

Variiegated Horsetail

common

Stockviken

scattered

Tofta Strand dune slack

LEPTOSPORANGIATE FERNS (TRUE FERNS)

Dennstaedtiaceae

Pteridium aquilinum

Bracken Family

Bracken

common

Aspleniaceae

Asplenium ruta-muraria

Asplenium trichomanes

Spleenwort Family

Wall-rue

Maidenhair Spleenwort

on rocks and walls

Stora Karlsö

Thelypteridaceae

Thelypteris palustris

Marsh Fern Family

Marsh Fern

by road at Gnisvärd stone

boat

Athyriaceae

Athyrium filix-femina

Lady-fern Family

Lady-fern

Ullahau area

Dryopteridaceae

Dryopteris carthusiana

Dryopteris dilatata

Buckler-fern Family

Narrow Buckler-fern

Broad Buckler-fern

Ullahau

Ullahau

Polypodiaceae

Polypodium vulgare

Polypody Family

Common Polypody

Ullahau

GYMNOSPERMS - (CONIFERS)

Pinaceae	Pine Family	
<i>Picea abies</i>	Norway Spruce	widespread
<i>Pinus sylvestris</i>	Scots Pine	widespread
Taxaceae	Yew Family	
<i>Taxus baccata</i>	Yew	locally common at Kallgatburg
Cupressaceae	Juniper Family	
<i>Juniperus communis</i>	Juniper	widespread and locally dominant

ANGIOSPERMS (FLOWERING PLANTS)

PRE-DICOTS (PRIMITIVE ANGIOSPERMS)

Nymphaeaceae	Water-lily Family	
<i>Nuphar lutea</i>	Yellow Water-lily	Tingstäde, in river
<i>Nymphaea alba</i>	White Water-lily	near Gannarve

EU-DICOTS (TRUE DICOTYLEDONS)

Papaveraceae	Poppy Family	
<i>Chelidonium majus</i>	Greater Celandine	common
<i>Fumaria officinalis</i>	Common Fumitory	Västerhejde, NW of
<i>Papaver rhoeas</i>	Common Poppy	locally common in arable fields
<i>Papaver dubium</i>	Long-Headed Poppy	scattered
<i>Pseudofumaria lutea</i>	Yellow Corydalis	Visby
<i>Roemeria argemone</i>	Prickly Poppy	Västerhejde, NW of
Berberidaceae	Barberry Family	
<i>Berberis vulgaris</i>	Common Barberry	common
Ranunculaceae	Buttercup Family	
<i>Adonis vernalis</i>	Yellow Pheasant's-eye	Stora Karlsö, in fruit
<i>Anemone nemorosa</i>	Wood Anemone	common in woods
<i>Anemone ranunculoides</i>	Yellow Anemone	Stora Karlsö (in fruit)
<i>Anemone sylvestris</i>	Snowdrop Windflower	scattered
<i>Aquilegia vulgaris</i>	Columbine	common
<i>Caltha palustris</i>	Marsh-marigold	scattered in damp places
[<i>Consolida regalis</i>	Field Larkspur	in poppy field nr Gnisvärd]
<i>Ficaria verna</i>	Lesser Celandine	scattered, leaves only
<i>Hepatica nobilis</i>	Liverleaf	common in woods, in flower on day 3
<i>Myosurus minimus</i>	Mousetail	Stockviken
<i>Pulsatilla pratensis</i>	Small Pasqueflower	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]
<i>Ranunculus auricomus</i>	Goldilocks Buttercup	Närsholmen
<i>Ranunculus baudotii</i>	Brackish Water-crowfoot	N of Hamra in small pond

<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	in poppy field near Gnisvärd
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup	Stockviken
<i>Ranunculus trichophyllus</i>	Thread-leaved Water-crowfoot	Närsholmen, Stockviken
<i>Thalictrum flavum</i>	Common Meadow-rue	Öja meadow – in leaf
<i>Thalictrum minus</i> ssp. <i>minus</i>	Lesser Meadow-rue	scattered

Grossulariaceae

<i>Ribes alpinum</i>	Gooseberry Family Mountain Currant	Stora Karlsö
<i>Ribes spicatum</i>	Downy Currant	scattered
<i>Ribes uva-crispa</i>	Wild Gooseberry	scattered

Saxifragaceae

<i>Saxifraga granulata</i>	Saxifrage Family Meadow Saxifrage	common
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	scattered

Crassulaceae

<i>Petrosedum rupestre</i>	Stonecrop Family Reflexed Stonecrop	scattered
<i>Sedum acre</i>	Biting Stonecrop	common
<i>Sedum album</i>	White Stonecrop	scattered

Fabaceae

<i>Anthyllis vulneraria</i>	Pea Family Kidney-vetch	common
<i>Lathyrus japonicus</i>	Sea Pea	Gnisvärd
<i>Lathyrus palustris</i>	Marsh Pea	Närsholmen, leaves only
<i>Lathyrus pratensis</i>	Meadow Vetchling	scattered
<i>Lathyrus vernus</i>	Spring Pea	near Mallgårds fen
<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 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
<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 villosa</i>	Fodder Vetch	on roadside Gnisvärd

Polygalaceae

Polygala amarella
Polygala comosa
Polygala vulgaris

Milkwort Family

Dwarf Milkwort Kallgatburg
 Tufted Milkwort scattered
 Common Milkwort scattered

Rosaceae

Agrimonia eupatoria
Alchemilla sp.
Aphanes arvensis
Cotoneaster integerrimus
Cotoneaster niger
Crataegus laevigata
Crataegus monogyna
Filipendula vulgaris
Filipendula ulmaria
Fragaria vesca
Fragaria viridis
Geum rivale
Geum urbanum
Geum x intermedium

Rose Family

Common Agrimony scattered
 unidentified lady's-mantle scattered
 Parsley-piert Tofta poppy field
 a cotoneaster common
 a cotoneaster common
 Midland Hawthorn common
 Hawthorn common
 Dropwort common
 Meadowsweet common
 Wild Strawberry common
 Green Strawberry scattered
 Water Avens common, as at Närsholmen
 Wood Avens common
Geum hybrid (parents are *Geum rivale* and *Geum urbanum*) Öja meadow)

Malus sylvestris
Potentilla anserina
Potentilla argentea
Potentilla erecta
Potentilla reptans
Potentilla verna
Poterium sanguisorba
Prunus avium
Prunus mahaleb

Wild Apple scattered
 Silverweed common
 Hoary Cinquefoil scattered
 Tormentil common
 Creeping Cinquefoil common
 Spring Cinquefoil scattered
 Salad Burnet Stora Karlsö
 Wild Cherry scattered
 St Lucie Cherry Stora Karlsö, invasive non-native

Prunus spinosa
Rosa canina
Rosa rubiginosa
Rosa villosa
Rubus caesius
Rubus chamaemorus
Rubus idaeus
Rubus saxatilis
Sanguisorba officinalis
Sorbus aucuparia
Sorbus hybrida
Sorbus intermedia
Sorbus rupicola

Blackthorn common
 Dog-rose common
 Sweet-briar scattered
 Villous Downy-rose Kallgatburg
 Dewberry scattered
 Cloudberry scattered, Kallgatburg
 Raspberry common
 Stone Bramble common
 Great Burnet Kallgatburg, leaves only
 Rowan common
 Swedish Service-tree scattered
 Swedish Whitebeam common
 Rock Whitebeam common

Rhamnaceae

Frangula alnus
Rhamnus catharticus

Buckthorn Family

Alder Buckthorn common, as at Mallgårds
 Buckthorn common

Ulmaceae <i>Ulmus glabra</i> <i>Ulmus minor</i>	Elm Family Wych Elm Elm	widespread rarely seen
Cannabaceae <i>Humulus lupulus</i>	Hop Family Hop	Närsholmen
Urticaceae <i>Urtica dioica</i> <i>Urtica urens</i>	Nettle Family Common Nettle Small Nettle	near habitation Langhammars
Fagaceae <i>Quercus robur</i>	Beech Family Pedunculate Oak	widespread
Myricaceae <i>Myrica gale</i>	Bog-myrtle Family Bog-myrtle	Kallgatburg
Betulaceae <i>Alnus glutinosa</i> <i>Corylus avellana</i> <i>Betula pendula</i> <i>Betula pubescens</i>	Birch Family Alder Hazel Silver Birch Downy Birch	by streams frequent, as at Öja widespread widespread
Celastraceae <i>Euonymus europaeus</i>	Spindle Family Spindle	Hogklint
Parnassiaceae <i>Parnassia palustris</i>	Grass-of-Parnassus Family 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 common
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>	Violet Family Field Pansy Heath Dog-violet Hairy Violet	Tofta poppy field Närsholmen Tofta Strand

<i>Viola pumila</i>	Meadow Violet	Kallgatburg
<i>Viola reichenbachiana</i>	Early Dog-violet	scattered
<i>Viola rivinana</i>	Common Dog-violet	scattered
Linaceae	Flax Family	
<i>Linum austriacum</i>	Asian Flax	north of Visby by roadside
<i>Linum catharticum</i>	Purging Flax	scattered
Hypericaceae	St John's-wort Family	
<i>Hypericum montanum</i>	Pale St John's-wort	Stora Karlsö
<i>Hypericum perforatum</i>	Perforate St John's-wort	scattered
Geraniaceae	Crane's-bill Family	
<i>Erodium cicutarium</i>	Common Stork's-bill	Gannarve
<i>Geranium columbinum</i>	Long-stalked Crane's-bill	scattered
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	in poppy field near Gnisvärd
<i>Geranium lucidum</i>	Shining Crane's-bill	Stora Karlsö etc
<i>Geranium molle</i>	Dove's-foot Crane's-bill	scattered
<i>Geranium pusillum</i>	Small-flowered Crane's-bill	scattered
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-bill	scattered
<i>Geranium robertianum</i>	Herb-Robert	common
<i>Geranium sanguineum</i>	Bloody Crane's-bill	common
<i>Geranium sylvaticum</i>	Wood Crane's-bill	common
Lythraceae	Purple-loosestrife Family	
<i>Lythrum salicaria</i>	Purple-loosestrife	Stockviken
Onagraceae	Willowherb Family	
<i>Chamerion angustifolium</i>	Rosebay Willowherb	scattered, in leaf
<i>Epilobium ciliatum</i>	American Willowherb	Visby
Sapindaceae	Maple Family	
<i>Acer platanoides</i>	Norway Maple	common
Malvaceae	Mallow Family	
<i>Malva pusilla</i>	Small Mallow	Visby
<i>Malva sylvestris</i>	Common Mallow	scattered
<i>Tilia cordata</i>	Small-leaved Lime	scattered
<i>Tilia x europaea</i>	Common Lime	Vamlingbo
Cistaceae	Rock-rose Family	
<i>Helianthemum nummularia</i>	Common Rock-rose	common
Resedaceae	Mignonette Family	
<i>Reseda lutea</i>	Wild Mignonette	common
<i>Reseda luteola</i>	Weld	Gnisvärd
Brassicaceae	Cabbage Family	
<i>Alliaria petiolata</i>	Garlic Mustard	Stora Karlsö
<i>Alyssum alyssoides</i>	Small Alison	Gannarve

<i>Arabidopsis thaliana</i>	Thale Cress	Visby
<i>Arabis hirsuta</i>	Hairy Rock-cress	scattered
<i>Barbarea stricta</i>	Small-flowered Winter-cress	Stora Karlsö
<i>Barbarea vulgaris</i>	Common Winter-cress	scattered
<i>Bunias orientalis</i>	Warty-cabbage	scattered
<i>Cakile maritima</i>	Sea-rocket	Tofta Strand, leaves only
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	common
<i>Cardamine hirsuta</i>	Hairy Bittercress	Visby
<i>Cardamine pratensis</i>	Cuckooflower	Närsholmen
<i>Dentaria bulbifera</i>	Coralroot	east of Ullahau
<i>Descurainia sophia</i>	Flixweed	Stockviken
<i>Diplotaxis muralis</i>	Annual Wall-rocket	Visby
<i>Erophila verna</i>	Common Whitlowgrass	common
<i>Erysimum cheiranthoides</i>	Treacle-mustard	Stora Karlsö
<i>Hornungia petraea</i>	Hutchinsia	common
<i>Isatis tinctoria</i>	Woad	scattered, Gnisvärd
<i>Lepidium draba</i>	Hoary Cress	scattered on roadsides
<i>Sinapis arvensis</i>	Charlock	scattered
<i>Thlaspi arvense</i>	Field Penny-cress	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 (leaves only)
<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 Campion	scattered
<i>Silene nutans</i>	Nottingham Catchfly	widespread
<i>Silene uniflora</i>	Sea Campion	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, Mallgårds
<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]
<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
<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>Centaureum 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
<i>Brunnera macrophyllum</i>	Great Forget-me-not	Visby
<i>Cynoglossum officinale</i>	Hound's-tongue	scattered
<i>Echium vulgare</i>	Viper's-bugloss	common
<i>Lithospermum arvense</i>	Corn Gromwell	Stora Karlsö

<i>Myosotis arvensis</i>	Field Forget-me-not	Gnisvärd
<i>Myosotis laxa</i>	Tufted Forget-me-not	Stockviken
<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
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	Speedwell Family	
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	walls in Visby
<i>Linaria vulgaris</i>	Common Toadflax	scattered
<i>Veronica arvensis</i>	Wall Speedwell	common
<i>Veronica beccabunga</i>	Brooklime	Mallgårds fen
<i>Veronica catenata</i>	Pink Water-speedwell	Stockviken
<i>Veronica chamaedrys</i>	Germander Speedwell	common
<i>Veronica hederifolia</i>	Ivy-leaved Speedwell	Visby
<i>Veronica persica</i>	Common Field-speedwell	Tingstäde
<i>Veronica scutellata</i>	Marsh Speedwell	Mallgårds fen
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Common
<i>Veronica spicata</i>	Spiked Speedwell	Stora Karlsö
Plantaginaceae	Plantain Family	
<i>Globularia vulgaris</i>	Common Globularia	common
<i>Littorella uniflora</i>	Shoreweed	Stockviken, Mallgårds fen
<i>Plantago coronopus</i>	Buck's-horn Plantain	scattered
<i>Plantago lanceolata</i>	Ribwort Plantain	common
<i>Plantago major</i>	Greater Plantain	scattered
<i>Plantago maritima</i>	Sea Plantain	Stockviken
Scrophulariaceae	Figwort Family	
<i>Scrophularia nodosa</i>	Common Figwort	Visby
<i>Verbascum nigrum</i>	Dark Mullein	Visby
Lamiaceae	Mint Family	
<i>Ballota nigra</i>	Black Horehound	Visby
<i>Clinopodium acinos</i>	Basil-thyme	Gannarve, Stora Karlsö
<i>Lamium purpureum</i>	Red Deadnettle	Tofta poppy field
<i>Lycopus europaeus</i>	Gipsywort	Närsholmen
<i>Mentha aquatica</i>	Water Mint	scattered
<i>Nepeta cataria</i>	Catmint	north of Visby
<i>Origanum vulgare</i>	Marjoram	Stora Karlsö
<i>Prunella vulgaris</i>	Self-Heal	common
<i>Salvia pratensis</i>	Meadow Clary	Gannarve

<i>Scutellaria hastifolia</i>	Norfolk Skullcap	north of Hamra
<i>Teucrium scordium</i>	Water Germander	Närsholmen
<i>Thymus serpyllum</i>	Breckland Thyme	scattered
Orobanchaceae	Broomrape Family	
<i>Bartsia alpina</i>	Alpine Bartsia	Mallgårds fen
<i>Melampyrum arvense</i>	Field Cow-Wheat	scattered, as at Gannarve
<i>Melampyrum pratense</i>	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, Mallgårds
<i>Pinguicula vulgaris</i>	Common Butterwort	Kallgatburg, Botvaldevik, Mallgårds
Campanulaceae	Bellflower Family	
<i>Campanula poscharskyana</i>	Trailing Bellflower	Visby
<i>Campanula rotundifolia</i>	Harebell	scattered, in flower at Närsholmen
Menyanthaceae	Bogbean Family	
<i>Menyanthes trifoliata</i>	Bogbean	Mallgårds fen
Asteraceae	Daisy Family	
<i>Achillea millefolium</i>	Yarrow	scattered
<i>Antennaria dioica</i>	Mountain Everlasting	common
<i>Anthemis arvensis</i>	Corn Chamomile	arable field Västerhejde, NW of
<i>Arctium minus</i>	Lesser Burdock	scattered
<i>Arctium tomentosum</i>	Woolly Burdock	Tingstäde
<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, naturalised
<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
<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 canadensis</i>	Canadian Fleabane	Visby

<i>Hieracium</i> agg.	unidentified Hawkweed spp.	scattered
<i>Hieracium umbellatum</i>	Hawkweed	Gnisvård
<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	common, 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
<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 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, near – leaves only
<i>Lonicera caprifolium</i>	Perfoliate Honeysuckle	Hogklint
<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
<i>Valerianella dentata</i>	Narrow-fruited Cornsalad	Västerhejde, NW of
<i>Valerianella locusta</i>	Common Cornsalad	scattered
Dipsacaceae	Teasel Family	
<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 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	Högklint, common – 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>Torilis japonica</i>	Upright Hedge-parsley	Visby

MONOCOTS (MONOCOTYLEDONS)

Araceae

Lords-and-Ladies Family

Lemna minor

Common Duckweed

Hamra, NW of

Tofieldiaceae

Tofieldia calyculata

German Asphodel

Kallgatburg, Mallgårds

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

Melanthiaceae

Paris quadrifolia

Herb-paris

Kallgatburg

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, Fårö leaves and buds only north of Botvaldevik

Cephalanthera rubra

Red Helleborine

several in flower in Mullvalds änge

Coeloglossum viride

Frog Orchid

c.200 in flower at Kallgatburg

Cypripedium calceolus

Lady's-slipper Orchid

in flower, scattered

Dactylorhiza fuchsii

Common Spotted-orchid

in flower, leaves spotted on both sides and stems and bracts heavily marked too, seen at Mallgårds and Kallgatburg

Dactylorhiza incarnata ssp. *cruenta* Early Marsh-orchid

typical pale flesh-pink form, widespread

Dactylorhiza incarnata ssp. *incarnata* Early Marsh-orchid

two specimens with pure white flowers were found in a ditch west of Hamra

Dactylorhiza incarnata ssp. *incarnata* var. *leucantha*

pale yellow/cream coloured

Dactylorhiza incarnata ssp. *ochroleuca* Early Marsh-orchid

<i>Dactylorhiza incarnata</i> ssp. <i>pulchella</i>	Early Marsh-orchid	flowers, west of Hamra, Mallgårds purple-flowered, widespread, as at Mallgårds
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	a couple of specimens in flower at Närsholmen, otherwise mostly over
[<i>Dactylorhiza majalis</i> subsp. <i>lapponica</i>	a Marsh-orchid	in flower at Kallgatburg, on path to Lady's-slipper Orchid site]
<i>Epipactis atrorubens</i>	Dark-red Helleborine	leaves and buds only at Tofta Strand, Helgumannen, Fårö
<i>Epipactis palustris</i>	Marsh Helleborine	in bud at Tofta Strand and Gnismård and Helgumannen, Fårö
<i>Goodyera repens</i>	Creeping Lady's-tresses	leaves seen north of Botvaldevik
<i>Gymnadenia conopsea</i>	Fragrant-orchid	in flower, scattered, as at Öja
[<i>Herminium monorchis</i>	Musk Orchid	looked for W of Hamra, not seen 2023]
[<i>Neottia cordata</i>	Lesser Twayblade	looked for north of Botvaldevik but not found 2023]
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	in flower north of Botvaldevik, and north of Fårö Fyr
<i>Neottia ovata</i>	Twayblade	in flower, widespread
<i>Platanthera bifolia</i>	Lesser Butterfly-orchid	in flower, widespread, as at Öja
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	in leaf only, north of Botvaldevik Närsholmen
<i>Ophrys insectifera</i>	Fly Orchid	in flower, a few – many in windmill field south of Öja, in damp meadow east of road northwest of Närsholmen
<i>Orchis mascula</i>	Early-purple Orchid	in flower, widespread and common
<i>Orchis militaris</i>	Military Orchid	in flower, widespread and quite common, abundant in windmill field south of Öja
[<i>Orchis spitzelii</i>	Alpine Orchid	looked for near Fjäle but not found 2023]
<i>Orchis ustulata</i>	Burnt Orchid	in flower, scattered – many windmill field south of Öja
Iridaceae	Iris Family	
<i>Iris pseudacorus</i>	Yellow Iris	common
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
<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
<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>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	2004. Kallgatburg]
<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	common]
<i>Carex divulsa</i> ssp. <i>leersii</i>	Grey Sedge	scattered
<i>Carex echinata</i>	Star Sedge	Stockviken
<i>Carex elata</i>	Tufted Sedge	common
[<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	common
<i>Carex lepidocarpa</i>	Long-stalked Yellow-sedge	Kallgatburg
[<i>Carex muricata</i>	Prickly Sedge	Fårö]
<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	Närsholmen
<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	common
<i>Eriophorum angustifolium</i>	Common Cottongrass	scattered
<i>Eriophorum latifolium</i>	Broad-leaved Cottongrass	Kallgatburg
<i>Schoenoplectus tabernaemontani</i>	Grey Club-rush	Stockviken
<i>Schoenus ferrugineus</i>	Brown Bog-rush	Mallgårds

<i>Schoenus nigricans</i>	Black Bog-rush	Kallgatburg
Poaceae	Grass Family	
<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>Anthoxanthum odoratum</i>	Sweet Vernal-grass	common
<i>Arrhenatherum elatius</i>	False Oat-grass	common
<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>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	Locally dominant, as at 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

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.].

Cormorant	<i>Phalacrocorax carbo</i>	Not uncommon around the coasts. 3/6
Grey Heron	<i>Ardea cinerea</i>	Scattered throughout. 4/6
[Great White Egret	<i>Ardea alba</i>	6 seen at Botvaldevik. 1/6 - 2018]
Mute Swan	<i>Cygnus olor</i>	Widespread. 6/6
Greylag Goose	<i>Anser anser</i>	Locally common. 3/6
Barnacle Goose	<i>Branta leucopsis</i>	Scattered. 1/6
Shelduck	<i>Tadorna tadorna</i>	Common along coasts. 5/6
Wigeon	<i>Anas penelope</i>	Stockviken. 1/6
Mallard	<i>Anas platyrhynchos</i>	Scattered. 3/6
Gadwall	<i>Anas strepera</i>	Stockviken. 1/6
[Garganey	<i>Anas querquedula</i>	Stockviken. 1/6]
Tufted Duck	<i>Aythya fuligula</i>	Muskmyr. 1/6
Common Eider	<i>Somateria mollissima</i>	Widespread on coasts. Several males with females and young off coast at Langhammars. 2/6
Velvet Scoter	<i>Melanitta fusca</i>	Several off Stora Karlsö. 1/6
Red-breasted Merganser	<i>Mergus serrator</i>	Off Hogklint. 1/6
Goosander	<i>Mergus merganser</i>	Off Hogklint. 1/6
[Osprey	<i>Pandion haliaetus</i>	Fårö. 1/6]
[Marsh Harrier	<i>Circus aeruginosus</i>	One female seen on Fårö. 1/6]
Common Buzzard	<i>Buteo buteo</i>	Scarce. 2/6
White-tailed Eagle	<i>Haliaeetus albicilla</i>	One seen at Närsholmen and one over Suderbys. 2/6
Red Kite	<i>Milvus milvus</i>	One seen on day 2 and one on day 5. 2/6
[Grey Partridge	<i>Perdix perdix</i>	Närsholmen, near Stockviken. 2/6]
Pheasant	<i>Phasianus colchicus</i>	Scattered. 6/6
Coot	<i>Fulica atra</i>	Scattered. 4/6
Common Crane	<i>Grus grus</i>	1 seen beside Tingstädeträsk. 1/6
Oystercatcher	<i>Haemotopus ostralegus</i>	Widespread and common. 6/6
[Avocet	<i>Recurvirostra avosetta</i>	50+ at Stockviken]
[Ringed Plover	<i>Charadrius hiaticula</i>	Locally common. 3/6]
[Golden Plover	<i>Pluvialis apricaria</i>	Stora Karlsö. 1/6]
Lapwing	<i>Vanellus vanellus</i>	Widespread. 5/6
[Dunlin	<i>Calidris alpina</i>	Stockviken. 1/6]
[Common Snipe	<i>Gallinago gallinago</i>	Närsholmen. 1/6]
[Woodcock	<i>Scolopax rusticola</i>	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]
Black-headed Gull	<i>Larus ridibundus</i>	Widespread. 6/6
Herring Gull	<i>Larus argentatus</i>	Widespread. 6/6

Great Black-backed Gull	<i>Larus marinus</i>	Scattered, several on Stora Karlsö. 2/6
Arctic Tern	<i>Sterna paradisaea</i>	Widespread. 6/6
Little Tern	<i>Sterna albifrons</i>	Fårösund. 1/6
Guillemot	<i>Uria aalge</i>	Närsholmen, and at least 4000 at breeding colonies on Stora Karlsö – superb views! 1/6
Razorbill	<i>Alca torda</i>	At least 1000 on breeding colonies on Stora Karlsö – even better 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>	Widespread, seen most days, heard everyday. 5/6
Common Swift	<i>Apus apus</i>	Widespread. 6/6
Black Woodpecker	<i>Dryocopus martius</i>	1 heard near Närsholmen. 1/6
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Widespread. 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>	Scattered throughout. 6/6
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. 2/6
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. 4/6
Blackbird	<i>Turdus merula</i>	Widespread. 6/6
Fieldfare	<i>Turdus pilaris</i>	Widespread and very common. 6/6
Song Thrush	<i>Turdus philomelos</i>	Scattered. 3/6
Mistle Thrush	<i>Turdus viscivorus</i>	Scattered. 2/6
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	Scattered. 2/6
Reed Warbler	<i>Acrocephalus scirpaceus</i>	Klintehamn, Stockviken. 2/6
Great Reed Warbler	<i>Acrocephalus arundinaceus</i>	Stockviken. 1/6
Icterine Warbler	<i>Hippolais icterina</i>	Heard and seen everyday at Suderbys. Also Heard on Stora Karlsö. 6/6
Barred Warbler	<i>Sylvia nisoria</i>	1 heard on Stora Karlsö. 6/6
Lesser Whitethroat	<i>Sylvia curruca</i>	Widespread. 6/6
Common Whitethroat	<i>Sylvia communis</i>	Scattered. 2/6
Blackcap	<i>Sylvia atricapilla</i>	Gnisvärd. 1/6
Wood Warbler	<i>Phylloscopus sibilatrix</i>	near Ulluhau. 1/6
Chiffchaff	<i>Phylloscopus collybita</i>	Gnisvärd. 1/6.
Willow Warbler	<i>Phylloscopus trochilus</i>	Common. 6/6
Spotted Flycatcher	<i>Muscicapa striata</i>	Scattered. 3/6
[Collared Flycatcher	<i>Ficedula albicollis</i>	Scattered. 3/6]
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]
Red-backed Shrike	<i>Lanius collurio</i>	1 male on Stora Karlsö. 1/6

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
Jackdaw	<i>Corvus monedula</i>	Widespread near habitation. 6/6
Hooded Crow	<i>Corvus cornix</i>	Widespread. 6/6
Raven	<i>Corvus corax</i>	Widespread. 4/6
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>	Botvaldevik. 1/6]
Linnet	<i>Carduelis cannabina</i>	Widespread. 6/6
[Common Crossbill	<i>Loxia curvirostra</i>	1 seen Närsholmen. 1/6]
Common Rosefinch	<i>Carpodacus erythrinus</i>	Scattered including Stora Karlsö. 2/6
Yellowhammer	<i>Emberiza citrinella</i>	Widespread. 6/6
[Reed Bunting	<i>Emberiza schoeniclus</i>	Stockviken. 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
Large White	<i>Pieris brassicae</i>	Scattered. 3/6
Black-veined White	<i>Aporia crataegi</i>	NW of Hamra. 1/6
[Green-veined White	<i>Aporia napi</i>	Kallgatburg. 1/6]
Wood White	<i>Leptidea sinapsis</i>	Kallgatburg, Gnisvärd. 2/6
Brimstone	<i>Gonepteryx rhamni</i>	Scattered. 4/6
Green Hairstreak	<i>Callophrys rubi</i>	Scattered. 2/6
Small Copper	<i>Lycaena phlaeas</i>	Scattered. 3/6
Scarce Copper	<i>Lycaena virgaureae</i>	1 seen by Gael at Mallgårds. 1/6
Little Blue	<i>Cupido minimus</i>	Scattered. 2/6
[Geranium Argus	<i>Eumedonia eumedon</i>	Gnisvärd. 1/6]
Common Blue	<i>Polyommatus icarus</i>	Widespread. 5/6
[Peacock	<i>Inachis io</i>	Stora Karlsö. 1/6]
Red Admiral	<i>Vanessa atalanta</i>	Gnisvärd. 1/6
Small Pearl-bordered Fritillary	<i>Clossiana selene</i>	Kallgatburg, Mallgårds. 3/6
[Glanville Fritillary	<i>Melitaea cinxia</i>	Kallgatburg, near Stockviken. 2/6]
[Heath Fritillary	<i>Mellicta athalia</i>	Kallgatburg, Mallgårds. 2/6]
Marsh Fritillary	<i>Euphydryas aurinia</i>	Kallgatburg. 1/6
Meadow Brown	<i>Maniola jurtina</i>	Botvaldevik. 1/6
Small Heath	<i>Coenonympha pamphilus</i>	Widespread. 5/6
Speckled Wood	<i>Pararge aegeria</i>	Gnisvärd. 1/6
Grizzled Skipper	<i>Pyrgus malvae</i>	Närsholmen, Mallgårds. 2/6
[Dingy Skipper	<i>Erynnis tages</i>	Botvaldevik. 1/6]

Systematic List Number 4 Mammals

Western Hedgehog	<i>Erinaceus europaeus</i>	Scattered but dead on road, esp. near Visby. 3/6
European Hare	<i>Lepus europaeus</i>	At least 1 seen at Närsholmen. 1/6
European Rabbit	<i>Oryctolagus cuniculus</i>	Scattered. 2/6
Red Fox	<i>Vulpes vulpes</i>	1 seen on Fårö. 1/6
Roe Deer	<i>Capreolus capreolus</i>	2 seen at Botvaldevik. 1/6.
[Grey Seal	<i>Halichoerus grypus</i>	11 seen off Stora Karlsö. 1/6]