

Other species affected by draining, ditching and encroachment include red-throated loon and waders such as wood sandpiper, snipe, curlew and golden plover. These birds breed on the expansive, open spaces on Komosse. Golden plover is common here, and in summer you can hear its melancholic call. In early spring, black grouse cocks lek on the open bog. Capercaillie and coniferous woodland birds such as crested tit, coal tit and willow tit thrive in the forested areas around Komosse.



mineral soil and bedrock

mineral soil and bedrock

has also declined as a result of traditional management being abandoned in many places. But the yellow wagtail has found a haven in Komosse, where its numbers have increased.

has also resulted in wetlands and fens that were previously used Yellow wagtail is another bird that breeds on wet meadows. It

Meadow pipit is the most common bird on Komosse. It is a small bird that breeds in open landscapes. The meadow pipit has declined in southern Sweden since the 19th century, when there proportion of wetlands were ditched and drained to create more arable land. During the late 20th century, many drained mires were planted with forest. The closure of small traditional farms were significantly more wetlands compared with today. A large for grazing and haymaking, becoming overgrown.



the lagg. This leads away water coming from the domed surface Raised bogs are formed in areas wet zones on the outer margins low evaporation. The circle of of the raised bog is known as with high precipitation and of the bog.

material. The main reason for the slow decay is that

consisting of dead and partially decayed plant Mires are wetlands with thick layers of peat,

How are raised bogs formed?

there is practically no oxygen in the waterlogged

## Birdlife and the wetlands

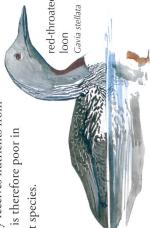
soil. Most decomposers need oxygen and cannot survive here. Without these organisms, there is no decay and the bog rises in height. The peat layers in but in some places they are more than eight metres thick. The bog has formed over thousands of years Komosse are between three and four metres deep,

and has grown on average 0.5 mm per year.

bogs, often located in the central parts of the mire, the peat layer grows upwards, resulting in a domed surface. Water runs surrounding mineral soil, and are therefore nutrient-rich. In pringitum sp. Mires can be divided into fens and bogs. Fens receive water and nutrients both from rainwater and from

central parts of the bog to the outside off from the

edges. The bog only receives nutrients from rain and snow and is therefore poor in



nutrients and plant species.

sphagnum sp.

Find your way here!

Ulricehamn

Komosse

# Komosse

Jönköping





tion and outdoor recreation. Sweden's most interesting mire areas for scientific conserva-The purpose of the nature reserve is to safeguard one of is located in both Västra Götaland and Jönköping counties. Komosse Nature Reserve comprises almost 3 000 hectares and In 1949, the Swedish Society for Nature Conservation bought

History of the reserve

chickweed leaf

Komosse. A national campaign among Swedish nature lovers 2 286 hectares of the most interesting and central parts of

yielded the SEK 40 000 required for the purchase. Today,

leaves of milk-parsley, which also constitutes the main food for the larvae. Raft spider, which is Sweden's largest spider, lives by the water in the wet meadows. It does not spin a web,

butterflies In Sweden. The swallowtail lays its eggs on the

beautiful swallowtail, one of the largest and most colourful

frogs, toads, adder and grass snake. Here you can also see the fox and hare. In the wet meadows live small animals such as Moose finds grazing in the laggs and other fen areas. Other

mammals that live on the bog include small rodents, deer,

Other wildlife

common frog Rana temporaria

Tranemo

but catches its prey through a quick attack from a water lily or

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# Welcome to Komosse

including different types of mires, watercourses, forest areas and mineral islands. Komosse is also the largest contiguous mire area with its slightly domed shape, is one of the biggest in Europe in southern Sweden. The mire landscape, located around 350 and lowest point. with a difference of more than 25 meters between the highest Småland, is now protected as a nature reserve. The raised bog metres above sea level on the border between Västergötland and Komosse comprises a total of 70 km² of desolate wilderness

a fireplace. In the old peat barn at the beginning of the trail there is sometimes firewood, which you are allowed to use. There Björnö with views across Lake Björnsjön, you find a shelter and broken by the sound of some of the birds that live here. At Lilla information signs. Experience the stillness and silence, only are also benches along the trail for those who want to rest their leden, a nature and culture trail, largely on footbridges, with The best way to reach the raised bog is by following Björnö

the largest contiguous mire landscape within the reserve. The southern part is divided by a slightly domed moraine ridge into and Elsabosjön. This is the part best known to visitors, thanks to the footbridge trail. But the reserve also contains other raised Bohestramossen to the west and Johansjömossen to the east. The eastern part of the reserve consists of Slättmossen, which is and Huljemossen, actual Komosse is located north of the lakes Trehörningen . To the west you find Björnsjömossen, Ramnömossen and furthest north is Timmerhultamossen.

#### Vegetation

in peat. Bogs are formed by deposits of dead sphagnum, which keeps growing at the top and dies at the bottom. In principle, old. The mosses that are found on Komosse today could well this means that living mats of moss can be several thousand years Different species of sphagnum moss grow on the nutrient-poor infancy, many millennia ago. raised bog. Sphagnum is one of the most common components same specimens that became established during the bog's

with dark peat sludge, with no vegetation. The hollows form a conspicuous pattern, perpendicular to the slope of the bog. ferent lichens, as well as heather, cross-leaved heath and crowberry. Between the hummocks are wet areas, so called hollows On the pine bogs, which are the most common habitat type high, the hollows fill with water. When dry, they may be filled bog-sedge and round-leaved sundew grow. When the water is where hare's-tail cottongrass, white beak-sedge, common Hare's-tail cottongrass, deergrass, bog rosemary and cranberry grow in the moss mats. On the drier hummocks you find dif-

can find bog orchid and the orchid water). In some of the laggs you meadows (large, shallow pools of flowers in the laggs (very wet zone in the Komosse area, you can pick on the edge of wetlands) and wet summer, the bright bog asphodel and bog bilberries. In the height of cloudberries, cowberries, bilberries

bottle sedge Carex rostrata

bog asphodel
Narthecium ossifrag

Fireplace

bog orchid

cross-leaved heath

### Historical land-use

fodder for the animals. Hay was mainly harvested on marshland and used as winter were cut with scythes. But mire haymaking was phased out as farmers started using artificial fertilizers and growing ley crops. Komosse were used for haymaking. Sedges, horsetails and grasses Maps from the end of the 19th century show that parts of

bedding for the livestock. Along the Björnöleden trail is an old peat barn that belonged to Mörkö farm. Here, peat from the now abandoned extraction site nearby was stored. The barn is Peat harvesting also occurred on Komosse. The peat was used as

