



The Sussex Wildlife Trust has been trimming back some of the encroaching scrub (though plenty will remain to support the bird interest), whilst maintaining some scrub edges for important invertebrates, and has re-introduced grazing by sheep and cattle, using temporary electric fencing to rotate grazed areas around the reserve, whilst continuing to be mindful of the needs of other users such as golfers, dog-walkers etc. This approach has been extremely successful on many of the Trust's other downland reserves resulting in significant improvements for wildlife and landscape.

Nature is not a luxury. It underpins our economy and social well-being and its natural processes give us clean water, food, flood protection and climate control.

Sussex Wildlife Trust wants to see the natural areas of our towns and countryside thriving, full of flowers and alive with birdsong, wherever you live.

rebuild the country's wildlife and wild places over the next 50 years.

Sussex, they have drawn on their experience and history to develop a new strategy, Living Landscape, to

of the most beautiful yet vulnerable natural resources in own sake and for people to enjoy. As stewards of some

and compiling to protect the wildlife of Sussex, for its

Sussex Wildlife Trust has a 50 year history of working

Friston Forest.

Heath National Nature Reserve just the other side of South Downs National Park, and are naturally connected to areas further up the river valley, and to the Lullington

or even the SSSI in isolation. They form just part of the weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed, and flowering plants and bees

sea was 300 metres higher than it is today. On land

100 million years ago, in a much warmer climate,

the chalk which were compressed by the

weight of water above. The seabed gradually rose up,

it would be a mistake however to view the nature reserve

as a level area of chalk which were compressed by the

sandstones of the Weald were eroded away, leaving us

the sea level went down and the surrounding clays and

died and sank to the bottom they formed, over millions

with skeletons of shells of calcium carbonate. As these

microscopic plankton called coccolithophores, each

had only recently evolved. In the sea were trillions of

dinosaurs roamed,

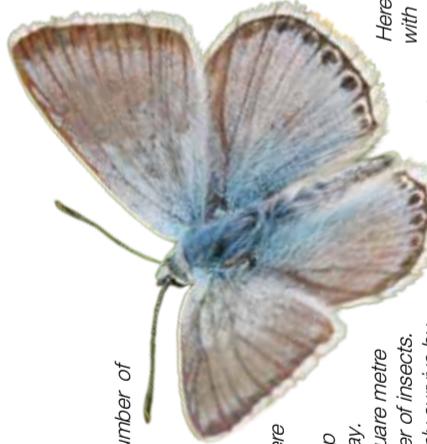


© Barry Yates

Wet grassland
The eastern sections of the Local Nature Reserve include saltmarsh and the low lying floodplain of the old river. In 1847 a canal was cut to transport water straight out to sea, leaving the meanders of the original course of the river isolated. These lush grasslands are now no longer replenished with nutrient-laden silt from the river, but there are creeks which fill with fresh water so the ground remains damp.
Redshank breed among tufts of longer grass, and skylark and meadow pipit may also breed in the drier areas.
These areas are managed by East Sussex County Council and the National Trust.

Here at Seaford Head other plants associated with the chalk soils include kidney vetch, squinancywort, clustered bellflower and the extremely rare moon carrot. There is also a good colony of green-winged orchids. Besides the chalkhill blue, butterflies include the dingy skipper, silver-spotted skipper, the beautiful adonis blue, the diminutive small blue, and also the rare forester moth.
Another species of note is the potter flower bee, known from only a few sites nationally for which Seaford Head is the most important in Sussex. It nests in the crumbly loess soils on the cliff edge.

This chalkhill blue butterfly for example can only survive by feeding on horseshoe vetch growing on chalk grassland.
There can be 30 or 40 different plant species in only a square metre of good chalk grassland, in turn supporting a huge number of insects.
This chalkhill blue butterfly for example can only survive by feeding on horseshoe vetch growing on chalk grassland.



Chalk grassland
The thin, poor soils of well managed chalk grassland can support an extraordinary number of species, as no one type of plant is able to grow strongly enough to dominate over others. It is however, highly vulnerable to change, particularly if there is no grazing from either rabbits or livestock, or both. The soils become enriched with the remains of dead plant material if it is not grazed off or removed, then scrub then develops which would ultimately end in woodland and a cycle of the Downs up until the 1940s, but since so much sheep grazing ceased at that time it accounts for only 3-4% today.

There can be 30 or 40 different plant species in only a square metre of good chalk grassland, in turn supporting a huge number of insects.
This chalkhill blue butterfly for example can only survive by feeding on horseshoe vetch growing on chalk grassland.

Seaford

Sutton Avenue

Chyngton Road

access track
Chyngton Way

Saltmarsh

Saltmarsh
Saltmarsh has a very high conservation value for the communities it supports. It is rich in invertebrates and is especially good for birds, but it is a fast disappearing habitat. Where coastal zones are 'squashed' between sea defences and land based developments, many habitats such as saltmarsh have become increasingly rare both nationally and internationally. The Nature Reserve and Seven Sisters Country Park have around 10% of the total saltmarsh area in East Sussex.

In the future as sea levels rise, we may have to allow the sea to gradually flood the lower river valley, recreating more rare habitats like saltmarsh, which is a natural flood defence. Storms now regularly cause severe damage to Cuckmere Haven sea defences (shingle bank, groynes and beach). To date sea defences have been repaired but it may not be sustainable on a long term basis. 'Managed Retreat' may be necessary.

Scrub

Scrub
Bushes and small trees such as bramble, hawthorn, privet and dogwood have developed here in the last few decades, providing nesting opportunities and cover for migrating birds like warblers (such as this whitethroat) thrushes and other small birds. However, the scrub is increasing at the expense of the chalk grassland - a much rarer habitat with high wildlife value, and so needs to be controlled by some cutting back, and possibly grazing. In the short term it's important to prevent further loss of the grassland. In the longer term it may be possible to increase the cover of chalk grassland towards former levels, but some scrub will always remain.



Vegetated Shingle
Another scarce habitat, vegetated shingle has become increasingly rare as beaches are managed for sea defences. But there is some shingle here on both sides of the river mouth with unique plant communities, including the yellow horned-poppy.



the old Coastguard Cottages are privately owned

© Mike Read

Cliffs

The famous white cliffs of the south coast are formed of chalk laid down as sediment from the microscopic remains of plankton some 90 million years ago. In places you can also see bands of flint - probably formed from the remains of sponges at times when they were especially abundant in the warm seas of the time. In other spots, such as at Hope Gap, the red, sandy loess soils can clearly be seen above the chalk. In summer you may see fulmars breeding on the cliffs - which although a kind of petrel looks similar to a seagull with very stiff wings. Kittiwakes and peregrines also breed here, and numerous kinds of solitary bees and wasps, some of them nationally rare, excavate burrows in the soft rock.

! The cliff edge is soft and constantly eroding - do not get too close!

Wave-cut platform and rockpools

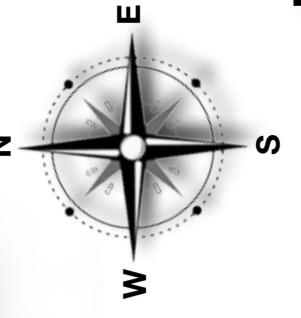
The rocky platform at the base of the cliffs shows a former extent of the cliffs, perhaps only 100 years ago. Gullies within the rock have been formed through frost shattering and the abrasive action of flints, and these rock pools provide an excellent opportunity to see marine animals and plants at low tide. Anemones, starfish, molluscs, shrimps, crabs and seaweeds may all be found. Be sure that you can always see a clear exit back to high ground - take great care that you do not get cut off by the incoming tide.

Hope Gap
(steps to beach)

No exit from beach back to safety in this direction



Cliffs
The cliff edge is soft and constantly eroding - do not get too close!



N
S
W
E
public footpath
permissive footpath

500 metres
all images © Neil Fletcher except where stated