



Gea Norvegica Geopark

In English



Jomfruland

The island that rose up from the sea



United Nations
Educational, Scientific and
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DIVERSE ISLAND

One old legend about Jomfruland says that the island was once under water, and was inhabited by Sea Folk. Another says that once upon a time, mermaids lived on the island. In our short account of the Island's history, we choose to rely on the first legend, because that which today is Jomfruland did indeed lie under water for a long time – until the land rose again after being pressed down by the enormous weight of the ice during many ice ages.

Of ice and sea

The past 2.6 million years of earth history is characterized by a series of glaciations. The last great Ice Age, the one we know most about, was at its greatest extent around 20,000 years ago. Fortunately, it became warmer, and the ice melted a long way back on mainland Norway. Seawater flowed in as the ice melted. When an ice sheet retreats, it occurs in pulses of melting, with colder periods in between. One of these colder periods during the last Ice Age left an especially clear imprint.

Around 12,800 years ago the inland ice sheet grew considerably, all the way to where Jomfruland lies today. The ice sheet



Long pebbly beaches give the island a special character.

stood on the sea floor, and ice and glacial melt-rivers deposited stone, gravel and clay in front of it. The ice edge remained here for several hundred years, and when it eventually retreated it left behind a ridge of these glacial deposits on the seafloor. We call this ridge the "Ra", and traces of it are found around all of Scandinavia. When the ice disappeared, the land began to

rise, and after a few thousand years the top of the Ra reached sea level. On Jomfruland this happened around 4,000 years ago.

Waves, currents and storms sorted and washed out the finer material, while stones were struck against one another eventually making them smooth and rounded. One can still hear the power of the waves shifting the stones down by the water's edge.

Top of page: Stone, gravel and clay was deposited in front of the ice sheet...

Photo: Mona Hendriksen

Below: Jomfruland seen from the southern tip.

Photo: Johannes Fredriksen



Saltstein ("Salt stone")

Headlands with fine glacially-polished rocks are visible several places on the island. These are ancient gneisses, altered deep beneath high mountain chains one billion years ago. In the bedrock you can see marks left by the scouring of ice in the form of striations and grooves in the bedrock, and in some places also fine drainage channels created by the high water pressure under the ice.

Wind blown sand dunes

At Øitangen one finds a large area of sand dunes, deposited by the wind. The sand area is now partly overgrown by various species of grass. On the beach there is also a plant called "sea holly". This is one of the rarest plants along the Norwegian coast. "Sea holly" – with its leathery and waxy leaves – is adapted for living in dry, sandy areas. It is very fragile and must not be picked or destroyed.

The Oak Forest

In the protected area of Øitangen, there is a beautiful cultural landscape with a lush, old deciduous forest. In springtime the forest floor is covered by a magnificent carpet of white wood anemones. In addition to the wood anemones, the deciduous forest is home to many rare species of plants, insects and birds.

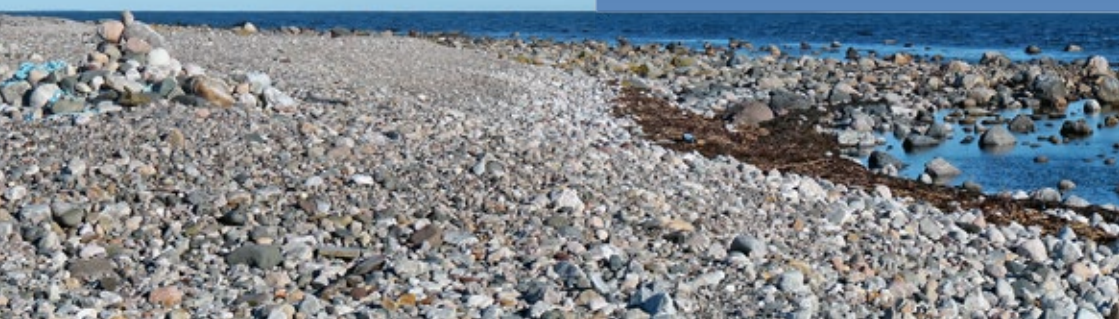


- 1 Saltstein
- 2 Øitangen
- 3 The Oak Forest
- 4 Tårntjernet

Some of Jomfruland's attractions



Above: The east side of the island has several coves and bays where seaweed collects. These seaweed localities have provided an important resource in the past.



Seaweed localities

Seaweed was an important natural resource on the island for several hundred years and was mainly used as fertilizer in the fields. In the 1950s artificial fertilizer took over. Places where seaweed naturally washed up on the beach were used as temporary storage and drying places for the seaweed. The seaweed, rich in vitamin and mineral content, could also be used as a feed supplement for the animals on the island. The green grassy areas on the otherwise stony beaches are testimony to the hard work with the seaweed harvest in times past.

Cultural landscape

The cultural landscape of Jomfruland is open, with fields, meadows and planted

Under: A landscape that is good for wandering.



Does the sign point to the "Nixie's Tarn", immortalized by the artist Theodor Kittelsen?

ground, and is a result of grazing and farming for hundreds of years. Lovely old stone walls wind their way through the beautiful landscape. Today there are fewer farms in use and the reduction in grazing has caused some areas to become overgrown. Fishing and piloting of boats have also been important sources of employment in the past. Now, most of the employment on the island is in tourism and service industries

Bird Observatory on Jomfruland

There is a bird observatory at Øitangen that is run by the Telemark Ornithological Society. Jomfruland is known for its many migratory birds in spring and autumn.

Each year 15,000 birds are caught and ringbanded here and about

220 different species are registered each year. Of these, only 60-70 species nest on the island.

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