Geoparks and Landscapes in the province of Bohuslän, Sweden

Lennart Bornmalm

Case study: Geoparks and Landscapes

The Bohuslän archipelago is unique in many ways - but from a scientific perspective, the landscape is associated with its mountains, and beautiful sharpened slabs. However, once upon a time, Bohuslän was completely smooth. Wind, water, ice sheets and powerful movements in the earth's crust have shaped the landscape as we can see it today. The Bohus granite was formed when the Baltic rock shield collided with a slab under the sea about 900 million years ago. The oldest rocks in the landscape were formed 1.8 billion years ago, from weathered material from a former continent, and from volcanic activity. This is especially for Sweden that Precambrian bedrock is exposed, when it on the continent can be tens to hundreds of meters below sedimentary rock and soil layers.

Bohuslän


Näsinge
Strömstad
Tanumshede
Grebbestad
Hällevads-
holm
Hedekas
Fjällbacka
Hamburgsund
Dingle
Munkedal
Hunnebostrand
Smögen
Uddevalla
Lysekil
Fiskebäckskil
Ljungskile
Ellös
Svanesund
Mollösund
Stenungsund
Skärhamn
Marstrand
Kungälv
Torslanda
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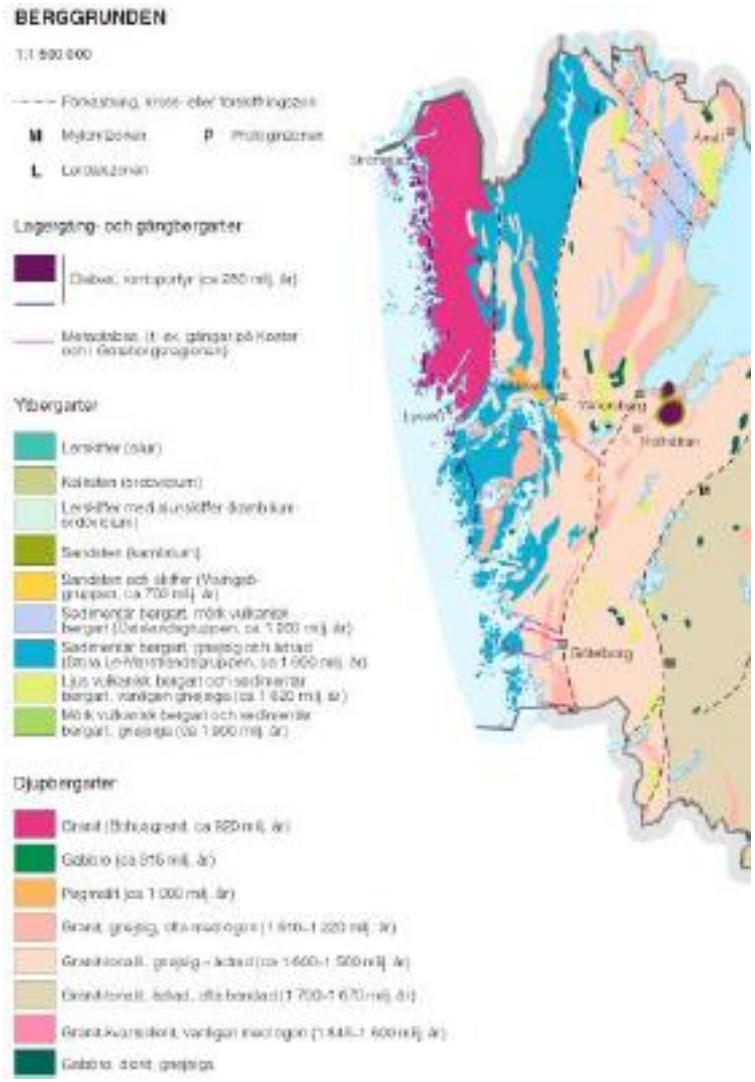
Bohuslän


BERGGRUNDEN
1:1 500 000
Lagergång- och gångbergarter
Ytbergarter
Djupbergarter

Bohuslän

The business community in Bohuslän has been dominated by roughly four livelihoods:

1. Fishing (Herring fishing periods)
2. stone industry
3. shipping
4. agriculture
5. Beach resorts

Herring fishing periods 1747-1809

Herring fishing

Bohuslän

Foto: Hernried, Karl Heinz

Nordiska museet

Bohuslän

Stonemasonry

Foto: Evers, Ralf Bohusläns museum

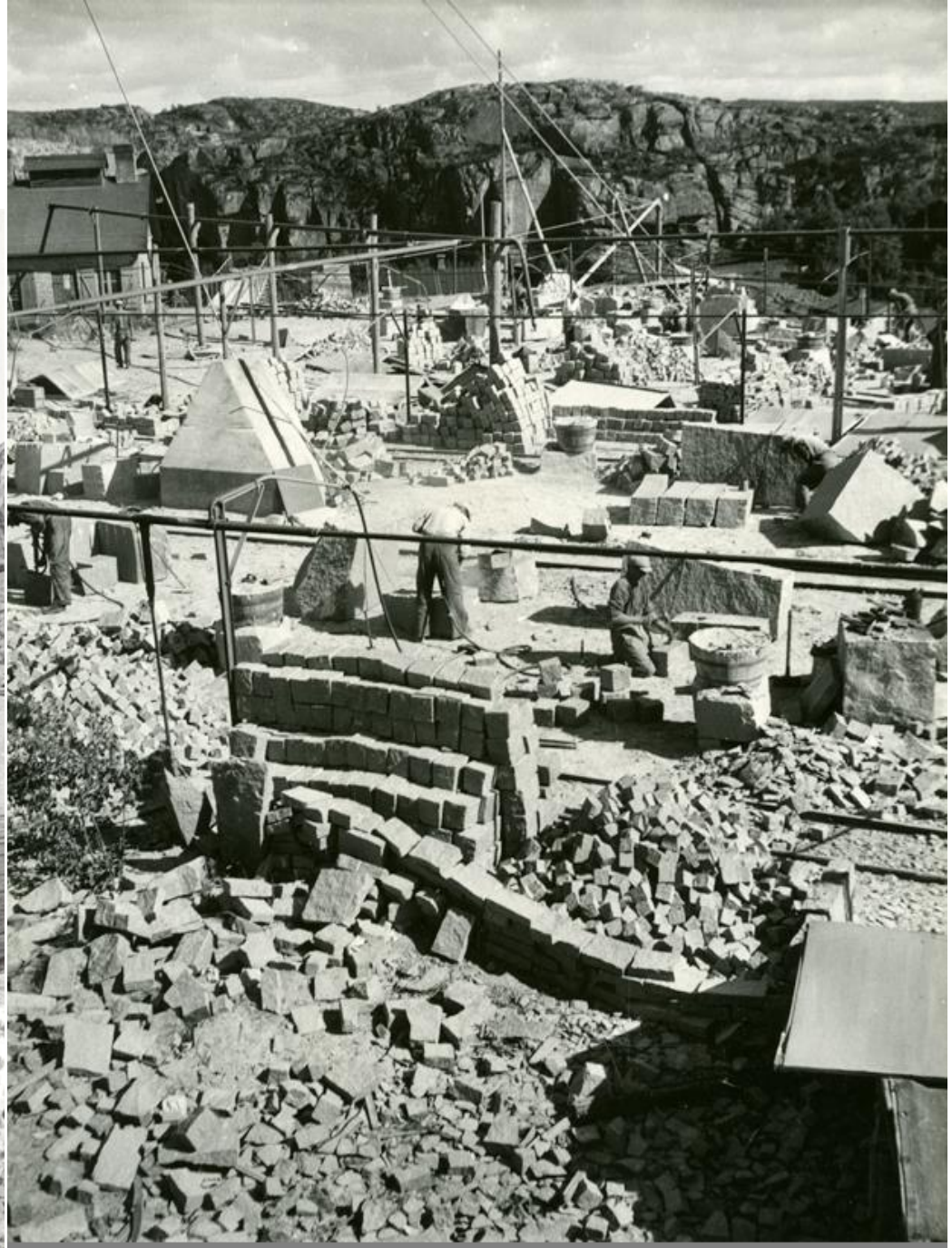
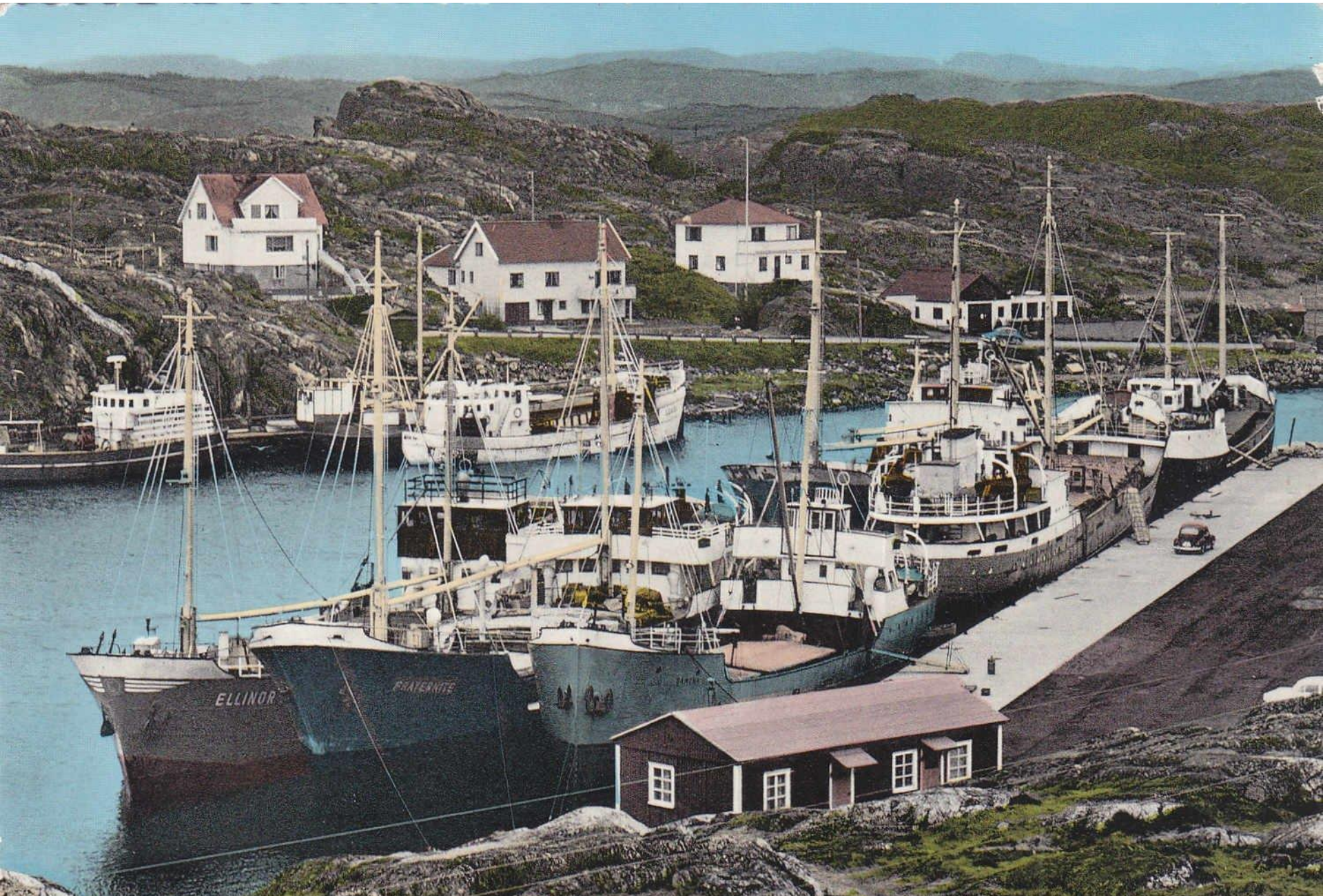


Foto: Gullers, K W Bohusläns museum

Stonemasonry

Shipping



Agriculture

Bohuslän

Bohuslän - Smögen

Skärhamn today

Bohuslän - Smögen

Bohuslän - Skärhamn

Question at issue:

If sensitive parts of the Bohus coast is not managed with a sustainable landscape perspective, e.g. as Geoparks, what consequences would it entail for future developments in 10-50 years?

A general case study regarding Geopark functions and importance for Landscape development

Geopark Goals

Geo-Heritage Awareness and Preservation

Cultural Heritage Awareness and Preservation

Landscape Socio-economic Sustainability

Geopark Landscape components

Protection reserves
Industry
Agriculture
Tourism
Service sector
Regional infrastructure
Population (permanent)
Seasonal residents
NGOs
Gov. offices (county)

Is there an optimal combination of components that facilitates the Geopark Goals?

Case studies

- **Each case study needs to have a summary (c. 1 page) to be posted on the website.**
- **The proposer needs to have a good idea of the conceptual modeling process in order to lead the work with the specific case study *and including others in this process.***
- **Think about the possibilities for SGEM papers related to the case study**
  - **Abstract deadline – late May**
  - **Paper deadline – June**
  - **The presentations could use a poster format (see Rod's examples)**
- **PLATFORM aims to cover the conference fees for those who are presenting papers related to our project goals and that will be used to support the conference PLATFORM workshop.**