

SUSTAINABLE DEVELOPMENT OF LJUSNE, AN OLD INDUSTRIAL COMMUNITY ALONG THE SEACOAST

Söderhamn
Municipality
Sweden

Spatial planning is an important tool to sustainably develop a society which is simultaneously facing major structural changes due to the decline of industries and population and increased risks as a result of climate change.

Description

- Ljusne, located on the coast where the Ljusnan River reaches the gulf of Bothnia, is likely to be affected by climate change, through for example: flooding, strong winds and rising sea levels.
- Over time, the demand for industrial premises has declined and many buildings are currently empty.
- The existing harbor located near the flow from the river remains ice-free all year round.

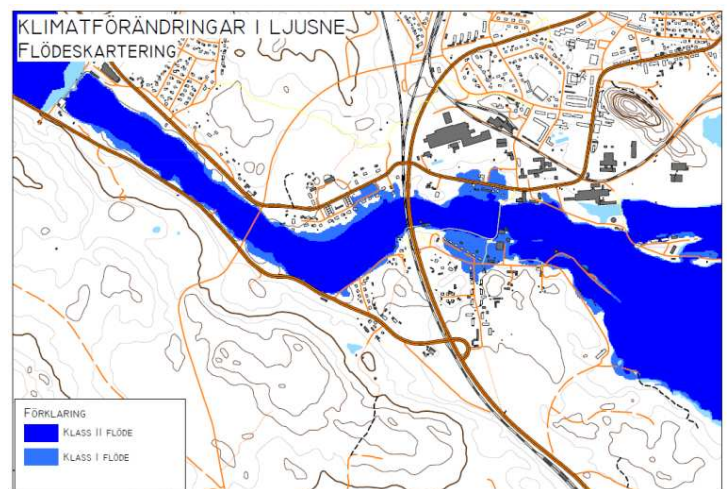


Figure 1. Housing and industrial facilities next to the Ljusnan River at risk of flooding

Main conclusions

1. Knowledge can prepare the business sectors for the impact of climate change and can create new business ideas.
2. Developing plans and projects adapted to climate change is needed. Analysis of the risks of flooding from the Ljusnan River shows that both housing and industrial facilities could be affected. There is also a risk of contamination of drinking water from severe flooding.
3. The area has good assets in favor of business development.
4. The harbour can be an key asset for the development of windpower in the area, both onshore and offshore. It could serve as a support harbour as well as a storage area for turbines.

Responsibility: The planning and development department, Söderhamn municipality
Further information: www.soderhamn.se