



Naturgenopretning af stenrev på Læsø Trindel



1 Executive Summary

Being a member of the European Union Denmark has to comply with the requirements of the EU Habitats Directive. The aim of the Directive is to contribute towards ensuring biodiversity by means of the conservation of natural habitats and of wild fauna and flora in the European territory of the Member States.

Laesoe Trindel is a site of European Union community importance and designated as a Natura 2000 Site according to the EU Habitats Directive.

The main objective of the Blue Reef project is to restore and maintain a favourable conservation status of the offshore reef habitat (1170) with its associated species in a project area at Laesoe Trindel situated 12 km north-east of the Island of Laesoe.

For decades cavernous boulder reefs in shallow waters have been exploited due to their high concentrations of large boulders suitable for constructing harbour jetties and sea defences. As a consequence this specific type of habitat and its associated species has become increasingly rare in Denmark.

The Blue Reef project restores vanished marine cavernous boulder reefs and stabilise existing reef. The restoration of the submerged reef structures has been carried out with boulders delivered from a quarry in southern Norway.

The present report describes the process of designing and reconstructing the reef on Laesø Trindel.

Based on a number of proposals a final design was selected and analysed regarding potential impacts on local current conditions and sedimentation.